रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

# RRB NTPC 2019 CBT-2 Level 2

## Non-Technical Popular Categories · CEN 01/2019 · CBT-2 · Pay Level 2 · Question Paper

**English**

All 5 Shifts (Sets) · Official Answer Key

## About this Compilation

This booklet contains all **5 shift papers** of the **RRB NTPC 2019 CBT-2 Level 2** examination in **English**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

**Source.** Every question and option is the original image of the official RRB response sheet (no retyping). Sections are taken from the official image file names: Mathematics 35, General Intelligence and Reasoning 35, General Awareness 50 in every shift. Question numbers follow the saved paper of each shift.

### How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions appear section by section in the order of the paper, numbered 1 onward.
- Diagram and wide-table questions appear at full width at the end of their section.
- The correct answer is highlighted in green with a tick.

### More from QMaths

Check your marks, normalized score and zone-wise rank free at **rank.qmaths.in**. Master English vocabulary with the **Blackbook** app.





***Toppers' Choice, Blackbook of English Vocabulary, Now available in App format : DOWNLOAD NOW***

## Index — All Sets (click to open)


Set 1 — 13 Jun 2022, 9:00 AM - 10:30 AM

Set 2 — 13 Jun 2022, 12:45 PM - 2:15 PM

Set 3 — 16 Jun 2022, 9:00 AM - 10:30 AM

Set 4 — 16 Jun 2022, 12:45 PM - 2:15 PM

Set 5 — 16 Jun 2022, 4:30 PM - 6:00 PM

**Mathematics** 35 Questions • Answer Key

**Q1** Mathematics

Find the median of the numbers given below:

2, 7, 5, 6, 7, 5, 4, 4, 0, 3, 0, 3, 1, 1, 3

A. 3 ✓

B. 4.5

C. 4

D. 3.5

**Q2** Mathematics

A 265 m long train is running at 61 km/h. In how much time (in seconds) will it cross another train of length 245 m running at 47 km/h in the opposite direction?

A. 19

B. 15

C. 14

D. 17 ✓

**Q3** Mathematics

The ratio of the radius of the base and the height of a right circular cylinder is 3:2, and its volume is 19404 $cm^3$ . What is the curved surface area (in $cm^2$ ) of the cylinder? (Take $\pi = \frac{22}{7}$)

A. 924

B. 1386

C. 1848 ✓

D. 1232

**Q4** Mathematics

What is the simple interest (in ₹) on ₹540 at 6% per annum in $3\frac{1}{2}$ years?

A. 113.40 ✓

B. 313.40

C. 213.40

D. 13.40

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q5** Mathematics

The length of a rectangular plot is thrice its breadth. If the length of its diagonal is $18\sqrt{10}$ cm, then the perimeter of the rectangle is:

A. 100 cm

B. 108 cm

C. 72 cm

D. 144 cm ✓

**Q6** Mathematics

Simplify: $\sqrt{\frac{\sqrt{1875}}{\sqrt{3888}} \times \frac{\sqrt{768}}{\sqrt{1200}}}$

A. $\frac{\sqrt{5}}{6}$

B. $\frac{5}{12}$

C. $\frac{\sqrt{5}}{3}$ ✓

D. $\frac{5}{6}$

**Q7** Mathematics

If $\sin\theta + \left(\frac{1}{4}\right)\operatorname{cosec}\theta = 1$, and $0 \leq \theta \leq 90^{0}$, then find the value of $\theta$.

A. 45°

B. 30° ✓

C. 0°

D. 60°

**Q8** Mathematics

The ratio of two numbers is 11 : 4 and their HCF is 16. What is the sum of these two numbers?

A. 240 ✓

B. 224

C. 320

D. 256

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q9** Mathematics

The selling price of $x$ items is equal to the cost price of 32 items and profit percent is 28 %. What is the value of $x$ ?

A. 30

B. 24

C. 25 ✓

D. 21

**Q10** Mathematics

A and B are numbers such that A is 40 % larger than B. If A is decreased by 20 % and B is increased by 38 %, then what is the percentage increase in the total value of A and B?

A. $4\frac{1}{6}$ % ✓

B. 5 %

C. $8\frac{1}{3}$ %

D. 10 %

**Q11** Mathematics

15 people can do a piece of work in 12 days. How many people can complete the same work in 20 days?

A. 9 ✓

B. 10

C. 12

D. 8

**Q12** Mathematics

How much water should be added to 90 ml of a 38% sugar solution so that it becomes a 17.1% sugar solution?

A. 100 ml

B. 110 ml ✓

C. 95 ml

D. 81 ml

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q13** Mathematics

What is the area of a right-angled triangle, the length of whose sides are 10 cm, 24 cm and 26 cm?

A. $140\ cm^2$

B. $110\ cm^2$

C. $130\ cm^2$

D. $120\ cm^2$ ✓

**Q14** Mathematics

The area of the base of a conical tomb is 616 $m^2$ and its height is 48m. What is the cost of plastering its curved surface area at ₹150 per $m^2$? (Take $\pi=\frac{22}{7}$)

A. ₹330000 ✓

B. ₹315000

C. ₹360000

D. ₹300000

**Q15** Mathematics

Each interior angle of a regular polygon measures 168°. How many sides does this polygon have?

A. 36

B. 24

C. 20

D. 30 ✓

**Q16** Mathematics

The value of $36 \div (8 \times 3) - [3 \div \{4 \times \{3 \times 4 \div (5-9)+6\}\}]$ lies between

A. 1.3 and 1.6

B. 1.6 and 1.9

C. 0.7 and 1

D. 1 and 1.3 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q17** Mathematics

A can do $66\frac{2}{3}\%$ of a work in 8 days. B is 40% less efficient than A. The two work together for 5 days and then both leave. C completes the remaining work in 6 days. In how many days can A and C together complete the original work?

A. $8\frac{8}{19}$

B. $7\frac{1}{2}$

C. $9\frac{9}{19}$

D. $7\frac{1}{5}$ ✓

**Q18** Mathematics

If $x^4 - 6x^2 - 1 = 0$, then what is the value of $(x^6 - x^{-6}) - 3(x^4 + x^{-4})$?

A. 120 ✓

B. 178

C. 156

D. 148

**Q19** Mathematics

Which of the options given below is divisible by 12?

A. 284576

B. 157844

C. 236796 ✓

D. 194792

**Q20** Mathematics

What is the compound interest on ₹2,50,000 at 16% per annum for 9 months, compounded quarterly?

A. ₹31,216 ✓

B. ₹32,126

C. ₹32,246

D. ₹30,612

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q21** Mathematics

What will be the perimeter of a quarter circle having a radius of 10 cm? [Use $\pi = 3.14$]

A. 35.7 cm ✓

B. 15.7 cm

C. 25.7 cm

D. 51.4 cm

**Q22** Mathematics

By selling an article for ₹ 211.20, a trader loses 12 %. If he sells it for ₹ 248.40, then his loss/gain percent is

A. Loss, 5 %

B. Gain, 5.5 %

C. Loss, 2.5 %

D. Gain, 3.5 % ✓

**Q23** Mathematics

A well of radius 2 m is dug 16.8 m deep. The soil taken out of it is spread evenly all around the well to form a 48 cm high embankment. What is the width (in m) of the embankment?

A. 9.6

B. 8

C. 10 ✓

D. 8.4

**Q24** Mathematics

Simplify the following expression:

$$\frac{2}{3} + \frac{4}{9} \div \left(\frac{7}{2} - \frac{5}{6}\right)$$

A. $\frac{5}{6}$ ✓

B. $\frac{11}{12}$

C. $\frac{7}{6}$

D. 1

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q25** Mathematics

A goods train overtakes two boys who are walking in the same direction in which the train is going, at the rate of 5 kmph and 10 kmph and passes them completely in 21 and 24 seconds respectively. What is the length of the goods train (in metres)?

A. $260\frac{2}{3}$

B. 210

C. $233\frac{1}{3}$ ✓

D. 180

**Q26** Mathematics

Simplify the following expression:

$2.06 - 3.16 + 4.59 - 1.79$

A. 1.75

B. 1.65

C. 1.80

D. 1.70 ✓

**Q27** Mathematics

If $(x+1) : (x+5) :: (x+17) : (x+53)$ then what is the mean proportional between $(x+5)$ and $(9x-1)$ where $x > 0$?

A. $4\sqrt{3}$ ✓

B. $10\sqrt{2}$

C. $3\sqrt{2}$

D. $4\sqrt{13}$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q28** Mathematics

If 12 is subtracted from each of n values $x_1, x_2, \ldots, x_n$, then the sum of the resulting numbers is 92. If 8 is subtracted from each of the n values, then the sum of the numbers is 208. What is the mean of the given n values?

(Give your answer correct to one decimal place.)

A. 14.8

B. 15.2 ✓

C. 16.7

D. 13.5

**Q29** Mathematics

$$\frac{5.2 \times 5.2 - 2.7 \times 2.7}{7.9 \times 2.5}$$ is equal to:

A. 1.0 ✓

B. 1.9

C. 0.3

D. 1.3

**Q30** Mathematics

The least perfect square which is divisible by each of 27, 54 and 72 is

A. 1225

B. 1296 ✓

C. 1369

D. 1156

**Q31** Mathematics

If interest is compounded annually at 10% per annum, then what would be the total amount payable on maturity when a sum of ₹5700 is invested for a period of two years?

A. ₹6897 ✓

B. ₹6887

C. ₹6997

D. ₹6987

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q32** Mathematics

A circus runs two shows, one with a lion and another with an elephant, separately. The show with the elephant runs for 80 minutes, and the show with the lion runs for 120 minutes. Both shows start at 6 pm. At what time will both shows start again at the same time?

A. 8:20 pm

B. 7:40 pm

C. 7:00 pm

D. 10:00 pm ✓

**Q33** Mathematics

A train 225 m long is running at a speed of 145 km/hr. What is the time (in seconds) in which it will pass a man who starts from the engine running at the speed of 17 km/hr in the direction opposite to that of the train?

A. 5 ✓

B. 7

C. 6

D. 4

**Q34** Mathematics

If assumed mean, a= 142.5, $d_i = x_i - a$, $f_i$ = frequency of $x_i$, the i-th value, $\Sigma f_i d_i = 130.5$ and $\Sigma f_i = 90$ then find the arithmetic mean of all the values of $x_i$.

A. 142.95

B. 143.3

C. 143.5

D. 143.95 ✓

**Q35** Mathematics

Simplify: $5 + \frac{5 \times 5}{5} - 5$

A. 5 ✓

B. 25

C. 15

D. 10

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q36** General Intelligence and Reasoning

In a certain code language, 'FRAK' is coded as '35', and 'MALT' is coded as '45'. How will 'TRIM' be coded in that language?

A. 59 ✓

B. 58

C. 60

D. 61

**Q37** General Intelligence and Reasoning

In a certain code language, 'she is beautiful' is written as 'mat mug bit', and 'beautiful and water' is written as 'bit cap lan'. How will 'beautiful' be written in that language?

A. bit ✓

B. mat

C. mug

D. cap

**Q38** General Intelligence and Reasoning

A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

**Question:**

In which year was Dheeraj born?

**Statements:**

(I) Dheeraj at present is 35 years younger to his mother Parvati.

(II) Dheeraj's bother Shan, who was born in 1998, is 45 years younger to his mother Parvati.

A. Both I and II together are sufficient ✓

B. II alone is sufficient, while I alone is not sufficient

C. Either I alone or II alone is sufficient

D. I alone is sufficient, while II alone is not sufficient

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q39** General Intelligence and Reasoning

How many such pairs of letters are there in the word UNIVERSAL (in both forward and backward directions) each of which has as many letters between them in the word as there are in English alphabetical order?

A. 2

B. 4 ✓

C. 3

D. 1

**Q40** General Intelligence and Reasoning

Seven friends, M, N, O, P, Q, R and S live on seven different floors of the same building, having floors in such a manner that the ground floor is numbered 1, the floor above it number 2, and so on till the topmost floor is numbered 7. M lives on floor number 1. Q lives immediately above M. Only four friends live between the floors of Q and N. Only three friends live between the floors of P and M. R lives immediately below O. Who lives on the sixth floor?

A. S ✓

B. P

C. O

D. N

**Q41** General Intelligence and Reasoning

Which of the following options is the closest approximate value which will come in place of question mark (?) in the following equation?

$17.821 + 178.21 - ? = 169.93$

A. 58

B. 26 ✓

C. 19

D. 49

**Q42** General Intelligence and Reasoning

A person says that the $26^{th}$ day of a month is a Friday. Which of the following was the $5^{th}$ day of the same month?

A. Friday ✓

B. Saturday

C. Thursday

D. Tuesday

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q43** General Intelligence and Reasoning

Eight students A, B, C, D, E, F, G and H are sitting around a circular table facing the centre, but not necessarily in the same order. B is sitting third to the right of A. H is sitting third to the left of A. C is sitting fourth to the right of B. B is sitting third to the left of G. F is the immediate neighbour of D. D is sitting second to the right of C.

Who is sitting second to the right of F?

A. G

B. H

C. E ✓

D. B

**Q44** General Intelligence and Reasoning

Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

FL : BH :: RY : NU :: GM : ?

A. QS

B. LP

C. CI ✓

D. DK

**Q45** General Intelligence and Reasoning

Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:
A cab can be booked by the customer using mobile apps.

Assumptions:

I. Sales of luxury cars will increase substantially.

II. Customers will have to pay less.

A. Both assumptions I and II are implicit.

B. Only assumption I is implicit.

C. Neither assumption I nor II is implicit. ✓

D. Only assumption II is implicit.

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q46** General Intelligence and Reasoning

In a certain code language, 'STEM' is written as 'VXHQ', and 'ROOT' is written as 'USRX'. How will 'SEED' be written in that language?

A. VIHH ✓

B. UJHG

C. UKGG

D. VIGH

**Q47** General Intelligence and Reasoning

Swethi ranked $46^{th}$ from the top and $46^{th}$ from the bottom in her class. How many students are there in the class?

A. 83

B. 71

C. 91 ✓

D. 93

**Q48** General Intelligence and Reasoning

P, Q and R are standing in a queue one behind the other in increasing order of heights such that the shortest is at the front and the tallest at the back. R is neither the first in the queue nor the tallest person. P is NOT standing behind R. Who is the shortest person among them?

A. P ✓

B. Either P or R

C. Q

D. R

**Q49** General Intelligence and Reasoning

Evan travelled 16 km from his residence towards the north. He then turned 90 degrees towards the left and travelled 12 km. He turned 90 degrees left again and travelled 16 km and stopped. How far is Evan from his residence?

A. 12 km ✓

B. 28 km

C. 16 km

D. 4 km

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q50** General Intelligence and Reasoning

A working clock is placed on a table in such a manner that at 9.00 p.m the hour hand is pointing towards the north. If the same clock remains in the same position, in which direction will the minute hand point at 6.00 a.m.?

A. North

B. South

C. West

D. East ✓

**Q51** General Intelligence and Reasoning

In each of the given number-clusters, the number on the right side of '=' (the equal to sign) is calculated by performing certain mathematical operations on the two numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

5, 3 = 98

7, 4 = 279

9, 5 = ?

A. 904

B. 854

C. 754

D. 604 ✓

**Q52** General Intelligence and Reasoning

Seven friends Harshita, Eshika, Jaismine, Kapil, Reshma, Mohit and Nilesh are sitting around a circular table facing towards the centre. Harshita is sitting second to the right of Mohit and third to the left of Kapil. Eshika and Jaismine are the immediate neighbours of Kapil. Nilesh is sitting second to the right of Eshika.

Who is sitting to the immediate right of Harshita?

A. Nilesh

B. Jaismine

C. Mohit

D. Reshma ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q53** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Decide which of the given conclusions is/are true based on the statements.

**Statements:**

$\alpha \leq \mu < \beta \leq \Omega, \beta > M = @$

**Conclusions:**

I. $\alpha < @$

II. $@ < \Omega$

A. Neither conclusion I nor II is true

B. Only conclusion I is true

C. Only conclusion II is true ✓

D. Both conclusions I and II are true

**Q54** General Intelligence and Reasoning

In each of the given number-clusters, the number on the right side of '=' (the equal to sign) is calculated by performing certain mathematical operations on the four numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster

11, 8, 5, 2 = 3

19, 14, 9, 4 = 5

27, 20, 13, 6 = ?

A. 11

B. 9

C. 13

D. 7 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q55** General Intelligence and Reasoning

Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

VTZX : NLRP :: MJVQ : EBNI :: PNTR : ?

A. HFLJ ✓

B. FHJL

C. GFLJ

D. FGJL

**Q56** General Intelligence and Reasoning

Read the given statement and courses of action carefully. Assuming that the information given in the statement is true, decide which of the given courses of action logically follow(s) from the statement.

**Statement:**

There is a huge increase in the migration of citizens of Country X to foreign countries as the unemployment rate has been increasing in Country X.

**Courses of Action:**

(I) The citizens of Country X should be provided with alternate sources of income.

(II) Substantial fees should be imposed on all foreign travels by the citizens of Country X.

A. Neither I nor II follows

B. Both I and II follow

C. Only I follows ✓

D. Only II follows

**Q57** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

In a film school, eight directors, Avan, Paul, Cameron, Dalton, Kovi, Rajamouli, Prabhu and Hund are sitting around a circular table facing the centre. Dalton is third to the left of Hund. Hund is fourth to the right of Kovi. Paul is third to left of Dalton. Avan is third to the left of Paul. Rajamouli is second to the left of Cameron.

How many persons sit between Avan and Prabhu, when counted from the left of Avan?

A. One

B. Two

C. None ✓

D. Three

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q58** General Intelligence and Reasoning

C is the mother of K. K is the wife of H. R is the brother of K. P is the father of R. How is C related to P?

A. Daughter

B. Sister

C. Brother's wife

D. Wife ✓

**Q59** General Intelligence and Reasoning

If letters of the English alphabet are written in reverse order then which letter is 2nd to the right of 9th letter from the left?

A. K

B. P ✓

C. I

D. R

**Q60** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Decide which of the given conclusion/s follow based on the statements.

**Statements:**

$X < Y, X = J, Y \leq M, Z \leq J$

**Conclusions:**

I. $Y = J$

II. $M > Z$

A. Both conclusions I and II follow

B. Only conclusion II follows ✓

C. Only conclusion I follows

D. Neither conclusion I nor II follows

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q61** General Intelligence and Reasoning

Six students P, K, M, T, N and G are sitting on a straight bench facing east. K and T are the immediate neighbours of G. P is sitting at one of the extreme ends and is fourth to the right of M. Who is sitting to the immediate left of M?

A. T

B. N ✓

C. G

D. K

**Q62** General Intelligence and Reasoning

Study the given letter, number, symbol series and answer the question that follows.

(Left) ¥ 7 @ 2 W R Z % K 3 P 2 T € J 1 B M 4 8 & ¥ E 5 D # 6 (Right)

How many such letters are there, each of which is immediately preceded by a symbol and immediately followed by a number?

A. 1

B. 3 ✓

C. 4

D. 2

**Q63** General Intelligence and Reasoning

In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

A. 22 : 133

B. 18 : 107 ✓

C. 14 : 85

D. 16 : 97

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q64** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

Some pencils are pens.

No pen is a sharpener.

All sharpeners are staplers.

**Conclusions:**

I. At least some staplers are pens.

II. All pencils are pens.

A. Only conclusion II follows

B. Only conclusion I follows

C. Both conclusions I and II follow

D. Neither conclusion I nor II follows ✓

**Q65** General Intelligence and Reasoning

Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

KLC : FNL :: YCS : VEZ :: CPQ : ?

A. NRD

B. TSF

C. SRE

D. TRD ✓

**Q66** General Intelligence and Reasoning

Select the number from among the given options that can replace the question mark (?) in the following series.

9, 7, 28, 26, 65, 63, 126, 124, ?

A. 215

B. 137

C. 217 ✓

D. 136

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q67** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

All goats are animals.

Some animals are carnivores.

**Conclusions:**

(I) All goats are carnivores.

(II) Some animals are goats.

A. Neither conclusion I nor II follows

B. Both conclusions I and II follow

C. Only conclusion II follows ✓

D. Only conclusion I follows

**Q68** General Intelligence and Reasoning

In a certain code language, 'NOIDA' is written as 'STNIF', and 'GOA' is written as 'LTF'. How will 'MEERUT' be written in that language?

A. RJJWZY ✓

B. WZYRJJ

C. SJJVZY

D. RJJWZZ

**Q69** General Intelligence and Reasoning

Which two signs and numbers need to be interchanged to make the following equation correct?

$2 + 8 \div 5 \times 4 - 6 = 3$

A. $\div$, $-$ and 2, 6

B. $\div$, $\times$ and 2, 5 ✓

C. $\div$, $+$ and 8, 5

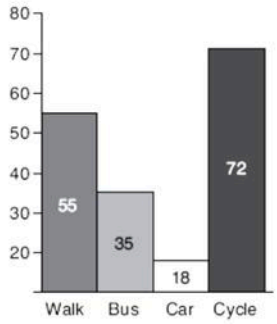
D. $+$, $-$ and 6, 8

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q70** General Intelligence and Reasoning

The following graph shows the number of employees using different modes of transport to reach their workplace.




The number of employees who walked to work was approximately what percentage more than those who travelled by bus?

A. 35%

B. 57% ✓

C. 18%

D. 45%

## General Awareness

50 Questions • Answer Key

**Q71** General Awareness

Which of the following persons from the Military Nursing Service has been awarded the National Florence Nightingale Award 2020?

A. Lieutenant General (Dr) Madhuri Kanitkar

B. Surgeon Vice Admiral Sheila S Mathai

C. Lieutenant General Rajshree Ramasethu

D. Brigadier SV Saraswati ✓

**Q72** General Awareness

The Monopolistic and Restrictive Trade Practices Act was passed in the year_____.

A. 1973

B. 1969 ✓

C. 1977

D. 1980

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q73** General Awareness

Which of the following states has the highest population density in India as per Census 2011?

A. Uttar Pradesh

B. West Bengal

C. Bihar ✓

D. Madhya Pradesh

**Q74** General Awareness

The downhill movement of rock and soil under the direct influence of gravity is called:

A. mass wasting ✓

B. solifluction

C. hydraulic action

D. Soil creep

**Q75** General Awareness

The destructive form of Tsunami, also called Seismic Sea Waves are usually caused by the earthquake having:

A. Magnitude 4-5

B. Magnitude 2-3

C. Magnitude >7.5 ✓

D. Magnitude 5-6

**Q76** General Awareness

The Industrial licensing had been abolished for all projects EXCEPT for a short list of industries through the amendments in NIP (New Industrial Policy) in the year _____.

A. 1987

B. 1956

C. 1991 ✓

D. 1969

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q77** General Awareness

Magnoliophyta are the flowering plants which are also known as:

A. Gymnosperms

B. Pteridophytes

C. Angiosperms ✓

D. Bryophytes

**Q78** General Awareness

Which of the following algae are rich in proteins and are used as food supplements by space travellers?

a) Spirulina b) Spirogyra c) chlorella d) Funaria

A. a and c ✓

B. a and b

C. b and c

D. b and d

**Q79** General Awareness

Which state authorities commemorated the death anniversary of Subramania Bharathi, a firebrand poet and freedom fighter, as Mahakavi Day on 11 September 2021?

A. Karnataka

B. Kerala

C. Tamil Nadu ✓

D. Andhra Pradesh

**Q80** General Awareness

The inputs used in the production of goods or services to make an economic profit are known as _____.

A. factors of sales

B. factors of supply

C. factors of presentation

D. factors of production ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q81** General Awareness

From the options given below, choose the one, which figures in the play of Kalidasa's 'Vikramorvasiyam'.

A. The story of Nal and Damayanti

B. The story of the love of Pururavas and Urvasi ✓

C. The love of King Agnimitra for Malavika

D. The story of Dushyanta and Shakuntala

**Q82** General Awareness

Who won the 14th round of the Formula One Italian Grand Prix 2021 held at the Autodromo Nazionale Monza track in Italy?

A. Valtteri Bottas

B. Lando Norris

C. Pierre Gasly

D. Daniel Ricciardo ✓

**Q83** General Awareness

What was the name of the giant single landmass which had split to form the present continents of world?

A. Tethys

B. Panthalassa

C. Gondwana

D. Pangaea ✓

**Q84** General Awareness

India's first building made of bio-bricks from agro-waste was inaugurated at _____.

A. IIT- Delhi

B. IIT- Kharagpur

C. IIT- Kanpur

D. IIT- Hyderabad ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q85** General Awareness

Which of the following boxers won the bronze medal in the 69 kg welterweight semifinals at Tokyo 2020 Summer Olympics on 4 August 2021?

A. Simranjit Kaur Baatth

B. Mary Kom

C. Lovlina Borgohain ✓

D. Pooja Rani

**Q86** General Awareness

Which country beat Brazil to win the $47^{th}$ edition of the *Copa America,* the international men's football championship?

A. Peru

B. Bolivia

C. Chile

D. Argentina ✓

**Q87** General Awareness

According to the Census of India 2011, which of the following is the most populated state of India?

A. Rajasthan

B. Madhya Pradesh

C. Uttar Pradesh ✓

D. Bihar

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q88** General Awareness

In different parts of the country, New Year is celebrated under different names. Match the following names with their respective states:

| | |
|---|---|
| 1.Vishu | a. Tamil Nadu |
| 2.Puthandu | b. West Bengal |
| 3.Gudi Padwa | c. Kerala |
| 4.Poila Boisakh | d. Maharashtra |

A. 1-b, 2-d, 3-a, 4-c

B. 1-c, 2-a, 3-d, 4-b ✓

C. 1-b, 2-c, 3-d, 4-a

D. 1-d, 2-a, 3-b, 4-c

**Q89** General Awareness

The Gandhian Plan, 1944, espousing the spirit of the Gandhian Economic thinking, was formulated by ____.

A. Lala Sri Ram

B. Sriman Narayan Agarwal ✓

C. MN Roy

D. Purushottam Das Tandon

**Q90** General Awareness

Most Ashokan inscriptions were in the _____ language while those in the northwest of the subcontinent were in Aramaic and Greek.

A. Sanskrit

B. Prakrit ✓

C. Tamil

D. Pali

**Q91** General Awareness

Mount Fuji, the highest peak in Japan is a type of _____.

A. volcanic peak ✓

B. fold mountain peak

C. relict peak

D. block mountain peak

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q92** General Awareness

Which Amendment of the Indian Constitution added Part IX to the Indian Constitution?

A. 69

B. 67

C. 75

D. 73 ✓

**Q93** General Awareness

Babur, the first Mughal emperor (1526-1530), succeeded to the throne of Ferghana in 1494 when he was only _____old.

A. 11 years

B. 7 years

C. 9 years

D. 12 years ✓

**Q94** General Awareness

In India, when a President is to be impeached for violation of the Constitution, the charge is preferred by _____

A. only Rajya Sabha

B. only Lok Sabha

C. either House of Parliament ✓

D. Union Council of Ministers

**Q95** General Awareness

Which of the following is related to the $73^{rd}$ Amendment of the Constitution of India?

A. Municipal corporation

B. Panchayats ✓

C. Townships

D. Municipalities

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q96** General Awareness

Which of the following countries is the largest milk producer in the world in 2020?

A. India ✓

B. Denmark

C. Canada

D. China

**Q97** General Awareness

Rai is primarily a folk dance of which of the following states?

A. Andhra Pradesh

B. Karnataka

C. Madhya Pradesh ✓

D. Manipur

**Q98** General Awareness

Who among the following denounced the injustice of the caste system and founded the Satyashodhak Samaj (Truth Seekers Society)

A. Ayyankali

B. Jyotirao Govindrao Phule ✓

C. EV Ramasamy Naicker

D. Savitri Bai Phule

**Q99** General Awareness

Which Amendment to the Constitution of India removed the 'Right to property' from the Fundamental Rights?

A. $46^{th}$ Constitutional Amendment 1980

B. $42^{nd}$ Constitutional Amendment 1976

C. $44^{th}$ Constitutional Amendment 1978 ✓

D. $48^{th}$ Constitutional Amendment 1981

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q100** General Awareness

TANWA was a project initiated in the late 1980s in Tamil Nadu to train women in latest agricultural techniques and organic farming. What is the full form of TANWA?

A. Tamil Nadu Women in Agronomy

B. Tamil Nadu Women in Agriculture ✓

C. Tamil Nadu Women Agronomist

D. Tamil Nadu Women Agriculturists

**Q101** General Awareness

A building with walls and roofs independent of any other building and with open spaces on all sides within the same plot is called a _____.

A. semi-detached building

B. special building

C. high rise building

D. detached building ✓

**Q102** General Awareness

Price ceiling refers to:

A. imposition of upper limit of price on goods or services ✓

B. imposition of lower limit of tax on costly goods or services

C. imposition of tax on all the prices of goods or services

D. removal of tax from already costly goods or services

**Q103** General Awareness

The National Waterway No. 1 on the Ganga river connects Allahabad with _____.

A. Kolkata

B. Haldia ✓

C. Patna

D. Hooghly

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q104** General Awareness

The ISSF (International Shooting Sport Federation) World Cup 2021 was held in which Indian city?

A. New Delhi ✓

B. Bangalore

C. Hyderabad

D. Chandigarh

**Q105** General Awareness

Pandit Jasraj, an Indian classical vocalist, belongs to which gharana?

A. Mewati ✓

B. Gwalior

C. Agra

D. Kirana

**Q106** General Awareness

The Rig Veda consists of 1028 hymns, organised into ten books known as _____.

A. Sūktas

B. Maṇḍalas ✓

C. Anudātta

D. Padapātha

**Q107** General Awareness

What is the capacity of First Green Solar Energy Harnessing Plant using Vanadium based battery technology commissioned by the Indian Army in April 2021?

A. 74 KVA

B. 62 KVA

C. 50 KVA

D. 56 KVA ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q108** General Awareness

Which of the following is the time taken by the CPU to access a location in memory?

A. Memory formatting time

B. Memory access time ✓

C. CPU frequency

D. Instruction cycle

**Q109** General Awareness

Which of the following keyboard shortcuts is used to perform REDO operation in MS-Word?

A. Alt + Y

B. Alt + Z

C. Ctrl + Y ✓

D. Ctrl + R

**Q110** General Awareness

The 37° C temperature is equal to nearly:

A. 97.4° F

B. 98.6° F ✓

C. 100.4° F

D. 99.4° F

**Q111** General Awareness

The state of Telangana has been carved out of which of the following states?

A. Andhra Pradesh ✓

B. Karnataka

C. Maharashtra

D. Madhya Pradesh

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q112** General Awareness

_____ is the sole authority prescribed in the Indian Constitution entrusted with the responsibility of audit of receipts and expenditure of the Union and each State and the Union Territory Governments.

A. Attorney General of India

B. Finance Minister

C. Finance Commission of India

D. Comptroller and Auditor General of India ✓

**Q113** General Awareness

The principal task of the second five-year plan was to increase national income by about _____ over the five years.

A. 30%

B. 15%

C. 20%

D. 25% ✓

**Q114** General Awareness

In which of the following years did the Muslim League pass a resolution demanding a measure of autonomy for the Muslim majority areas?

A. 1935

B. 1944

C. 1940 ✓

D. 1937

**Q115** General Awareness

Which of the following cities is NOT known for iron and steel production in India?

A. Jamshedpur

B. Bhilai

C. Bokaro

D. Surat ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q116** General Awareness

The hill station Mount Abu is located in which of the following mountain chains?

A. Satpura

B. Vindhya

C. Aravalli ✓

D. Maikal

**Q117** General Awareness

What is the traditional language used in Bhaona which was created by Sankardeva?

A. Tamil

B. Brajawali ✓

C. Malayalam

D. Sanskrit

**Q118** General Awareness

The metallic minerals that occur as alluvial deposits in flood plains or valleys are known as _____.

A. bulk deposits

B. vein deposits

C. placer deposits ✓

D. metallic nodules

**Q119** General Awareness

Which Indian state celebrates Makar Sankranti as 'Poush Sankranti'?

A. Himachal Pradesh

B. Rajasthan

C. West Bengal ✓

D. Maharashtra

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q120** General Awareness

At which place was the 61st Software Technology Park of India (STPI) centre inaugurated on 17 September 2021?

A. Kohima, Nagaland ✓

B. Mohali, Punjab

C. Bhubaneswar, Orissa

D. Thiruvananthapuram, Kerala

Blackbook

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Mathematics** 35 Questions • Answer Key

**Q1** Mathematics

Three friends A, B and C divide ₹5525 amongst them in such a way that if ₹50, ₹100 and ₹75 are removed from the sums that A, B and C received respectively, then the share of the sums that they get would have been in the ratio of 11 : 18 : 24. How much did C initially receive?

A. ₹1150

B. ₹2325

C. ₹1900

D. ₹2475 ✓

**Q2** Mathematics

Two natural numbers are in the ratio of 6:5 and the product of their LCM and HCF is 6750. What is the sum of the numbers?

A. 145

B. 180

C. 160

D. 165 ✓

**Q3** Mathematics

$x$ is the smallest six-digit number which, when divided by 20, 21, 22, 24 and 28, the remainder in each case is 5. What will be the quotient when $x$ is divided by 462?

A. 221

B. 224

C. 220 ✓

D. 226

**Q4** Mathematics

Vaishali covers a certain distance by car at 50kmph and returns to the original place through the same route on a bicycle at 10kmph. If the time taken by her for the whole journey was 2 hours 24 minutes, then what was the total distance that she covered?

A. 50 km

B. 60 km

C. 40 km ✓

D. 48 km

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q5** Mathematics

A tent is cylindrical upto a height of 6 m and conical above it. The diameter of the base is 90 m and the height of the conical part is 28 m. What is the area (in $m^2$) of canvas used in making it?

A. $2895\pi$

B. $2940\pi$

C. $2925\pi$ ✓

D. $2905\pi$

**Q6** Mathematics

Find the value of $(13)^3 + (-8)^3 + (-5)^3$

A. $41 \times 38$

B. $-40 \times 41$

C. $39 \times 40$ ✓

D. $-39 \times 40$

**Q7** Mathematics

Julie can cover a distance of 140 m in 18 seconds. At that given speed how much distance can Julie cover in 1 hour?

A. 25.2 km

B. 31.5 km

C. 29.4 km

D. 28 km ✓

**Q8** Mathematics

The time taken by a boat to go 7 km downstream is the same as the time taken by it to go 3 km upstream. It can go 14 km upstream and the same distance downstream in a total time of $6\frac{2}{3}$ hours. How much time (in hours) will it take to go 16.8 km upstream?

A. 7

B. 3.5

C. 4.2

D. 5.6 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q9** Mathematics

X and Y can complete a certain work in 18 days and 30 days respectively. Z is 50 % more efficient than Y. Z and Y started the work but both had to leave after 4 days. The remaining work was completed by X with the assistance of P in the next 4 days. P alone can complete the original work in

A. 12 days

B. 10 days

C. 8 days

D. 9 days ✓

**Q10** Mathematics

If the 7 digit number 504x5y3 is divisible by 11, then one of the values of the sum of x and y is

A. 11

B. 17 ✓

C. 7

D. 5

**Q11** Mathematics

$\Delta ABC$ is an equilateral triangle with side 12cm. CD is the bisector of $\angle C$ which meets AB at D and E is the mid-point of CD. What is the length of BE?

A. $3\sqrt{6}$ cm

B. 8 cm

C. $3\sqrt{7}$ cm ✓

D. $6\sqrt{2}$ cm

**Q12** Mathematics

An amount of ₹1470 is shared between Anant and Mohan in the ratio 3 : 4. What is the amount received by Mohan?

A. ₹840 ✓

B. ₹630

C. ₹1050

D. ₹1650

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q13** Mathematics

The length of each of a pair of opposite sides of a parallelogram is 16 cm and the perpendicular distance between these two sides is 10 cm. What is the area (in $cm^2$) of the parallelogram?

A. 80

B. 40

C. 320

D. 160 ✓

**Q14** Mathematics

The maximum weight lifted by 750 participants are recorded and it is found that the Mean and the Median of this distribution are both more than the Mode. If the Mean and the Median are 184 Kg and 178 Kg respectively, then which of the following is the most likely value of the Mode (in Kg).

A. 166 ✓

B. 162

C. 168

D. 172

**Q15** Mathematics

An equilateral triangle of side 12 cm is inscribed in a circle. What is the area (in $cm^2$) of the circle?

A. $18\pi$

B. $36\pi$

C. $24\pi$

D. $48\pi$ ✓

**Q16** Mathematics

12.5% of the first number is 37.5% of the second number. If the second number is subtracted from the first number, we get an answer of 1428. Find the sum of the two numbers.

A. 2936

B. 2856 ✓

C. 2846

D. 2716

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q17** Mathematics

The value of $49 - [35 + \{12 \div 3 \text{ of } (6 + \overline{7 - 12})\}]$ is:

A. 9

B. -8

C. 10 ✓

D. -12

**Q18** Mathematics

The initial profit percentage on the sale of an item was 74%. If the cost price of the item went up by 50% but the selling price remained the same, what would be the new profit percentage?

A. 24%

B. 13%

C. 16% ✓

D. 8%

**Q19** Mathematics

If 11-digit number $88p554085k6$ , $k \neq p$ , is divisible by 72, then what is the value of $(3k + 2p)$ ?

A. 23

B. 12

C. 7

D. 13 ✓

**Q20** Mathematics

Which of the following fractions should be added to $\frac{5}{9}$ to obtain $\frac{11}{6}$ as the sum?

A. $1\frac{7}{18}$

B. $1\frac{5}{18}$ ✓

C. $1\frac{1}{15}$

D. $1\frac{1}{3}$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q21** Mathematics

The graphs of the equations $3x - 2y - 11 = 0$ and $x + y = 7$ intersect at P ($\propto$, $\beta$). What is the value of $(3\propto+5\beta)$?

A. 13

B. 23

C. 11

D. 25 ✓

**Q22** Mathematics

Solve: $(4 + 2)$ of $9 - 6 \times 2 + \frac{5}{5}$

A. 41

B. 44

C. 43 ✓

D. 45

**Q23** Mathematics

Suresh borrows ₹80000 at 24% per annum simple interest and Ramesh borrows ₹91000 at 20% per annum simple interest. In how many years will their amounts of debts be equal?

A. 20

B. 22

C. 11 ✓

D. 10

**Q24** Mathematics

$0.46 \times 137.5 = 63.25$ What is the value of $460 \times 1.375$?

A. 63.25

B. 6325

C. 632.5 ✓

D. 6.325

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q25** Mathematics

Paras can complete 40% of the work in 8 days while Deepti & Paras together can complete 10% of the work in a day. Find the time taken by Deepti alone to complete the work.

A. 20 days ✓

B. 22 days

C. 23 days

D. 21 days

**Q26** Mathematics

The arithmetic mean of the first ten prime numbers is _____.

A. 12.9 ✓

B. 15.8

C. 10.1

D. 12.8

**Q27** Mathematics

A sum of money was invested at simple interest at r % per annum for 3 years. Had the rate of interest been (r + 2) %, it would have fetched ₹84 more. Find the sum invested.

A. ₹1500

B. ₹1200

C. ₹1600

D. ₹1400 ✓

**Q28** Mathematics

If the length and the height of a cuboid are 18 m and 12 m respectively, and its volume is 3024 $m^3$ , then find its breadth (in m).

A. 13

B. 14 ✓

C. 16

D. 15

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q29** Mathematics

If an observation 70 is removed from the data 60, 68, 70, 72,74, 76, 78, 80, then the median is increased by :

A. 2

B. 1.5

C. 0.5

D. 1 ✓

**Q30** Mathematics

A dealer sells an article for ₹ 123 after offering a discount of 18% on its marked price, If he sells it on the marked price, he gains 25%. What is the cost price (in ₹) of the article?

A. 125

B. 124

C. 115

D. 120 ✓

**Q31** Mathematics

The value of $\frac{\left(11\frac{11}{12} \times 1\frac{3}{13} \div 2\frac{3}{4}\right) \div \left(\frac{7}{10} \div \left(\frac{3}{4} \times 1\frac{2}{5}\right)\right)}{\frac{1}{4} \times \frac{2}{3} \times 2\frac{2}{5}}$ is

A. 20 ✓

B. $1\frac{1}{5}$

C. $3\frac{1}{5}$

D. 10

**Q32** Mathematics

Find the compound interest on ₹32000 for 6 months at 12% per annum compounded quarterly?

A. ₹1947.80

B. ₹1948.80 ✓

C. ₹1948

D. ₹1947

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q33** Mathematics

What is the HCF of 144, 360 and 504?

A. 24

B. 36

C. 18

D. 72 ✓

**Q34** Mathematics

ABCDEF is a regular hexagon and m( $\overline{BE}$ ) = 14 cm. What is the perimeter of the hexagon?

A. 30 cm

B. 48 cm

C. 36 cm

D. 42 cm ✓

**Q35** Mathematics

The diameter of base of a right circular cone is 20 cm and its slant height is 10.5 cm. What is the curved surface area (in $cm^2$) of the right circular cone? [Use $\pi = \frac{22}{7}$]

A. 660

B. 165

C. 495

D. 330 ✓

## General Intelligence and Reasoning

35 Questions • Answer Key

**Q36** General Intelligence and Reasoning

There are six boys, Mukul, Rajan, Jayant, Suresh, Prakash and Karan, each having different heights. Mukul is not the tallest among all. Only three boys are taller than Karan and only three boys are shorter than Prakash. Suresh is taller than Rajan but shorter than Karan.

How many boys are shorter than Mukul?

A. 2

B. 3

C. 1

D. 4 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q37** General Intelligence and Reasoning

In each of the given number-clusters, the number on the right side of = (the equal to sign) is calculated by performing certain mathematical operations on the three numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

36, 58, 21 = 23

41, 39, 20 = 20

39, 52, 34 = ?

A. 25 ✓

B. 17

C. 15

D. 30

**Q38** General Intelligence and Reasoning

Which two signs and which two numbers should be interchanged to make the following equation correct?

$630 + 6 - 5 \div 40 \times 10 = 295$

A. +, − and 6, 5

B. ÷, + and 5, 10 ✓

C. ÷, − and 10, 6

D. ÷, × and 5, 6

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q39** General Intelligence and Reasoning

There are two benches A and B and one chair. Three persons can sit on each of these benches and one on the chair. Seven persons, Aman, Bhaskar, Chetan, Dablu, Ekta, Fauzia, and Ganesh, are to be seated on these benches and the chair following certain constraints as given.

(i) Fauzia does not sit on the same bench as Dablu.
(ii) Ekta does not sit on the same bench as Dablu.
(iii) Chetan can sit with Aman but not with Ganesh.
(iv) Aman can sit with Dablu but not with Bhaskar or Ganesh.
(v) Ganesh does not sit on the same bench as Fauzia.

If Fauzia sits on Bench A and Chetan sits on Bench B, then who is sitting in the chair?

A. Bhaskar
B. Dablu
C. Ganesh ✓
D. Ekta

**Q40** General Intelligence and Reasoning

Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

WLX : SHT :: FGJ : BCF :: ? : KPF

A. PTK
B. PSQ
C. OSK
D. OTJ ✓

**Q41** General Intelligence and Reasoning

One day, Rekha was standing facing the east. She then turned 90 degrees right and then turned 45 degrees in the anti-clockwise direction. She then turned 90 degrees clockwise. Which direction is she facing now?

A. South
B. South-west ✓
C. North
D. North-east

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q42** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

All pens are pencils.

Some pens are books.

**Conclusions:**

I. All books are pens.

II. Some pencils are books.

A. Neither conclusion I nor II follows

B. Only conclusion II follows ✓

C. Both conclusions I and II follow

D. Only conclusion I follows

**Q43** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

Five friends Komal, Harris, Paul, Daniel and Meghana are standing in a row facing north but not necessarily in the same order. Only Harris is between Komal and Meghana. Paul is to the immediate right of Meghana. Daniel is to the immediate left of Komal.

Which of the following statements is true?

A. Harris is to the left of Komal.

B. Harris is to the right of Meghana.

C. Komal is third to the left of Harris.

D. Daniel is third to the left of Meghana. ✓

**Q44** General Intelligence and Reasoning

If Q means '+, J means '×', T means '−', and K means '÷', then 52 K 4 Q 6 J 12 T 8 = ?

A. 77 ✓

B. 68

C. 45

D. 83

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q45** General Intelligence and Reasoning

Seven friends K, L, M, N, O, P and Q are sitting on a straight bench facing north. M and Q are not sitting at any of the extreme ends. K is sitting exactly at the middle position. Only P is sitting between Q and N. L is sitting third to the right of K. K is sitting to the immediate left of O.

Who is sitting at the extreme left end?

A. L

B. O

C. Q

D. N ✓

**Q46** General Intelligence and Reasoning

Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

LST : MQW :: KOP : LMS :: ? : HNT

A. GPQ ✓

B. EQP

C. FPQ

D. FNP

**Q47** General Intelligence and Reasoning

It was Friday on 2nd February 2007. What was the day of the week on 2nd February 2008?

A. Thursday

B. Saturday ✓

C. Sunday

D. Friday

**Q48** General Intelligence and Reasoning

In a class consisting of 67 students, Teena ranked 12th from the top and her friend Rishabh ranked 26th from the bottom. How many students ranked between Teena and Rishabh?

A. 33

B. 27

C. 28

D. 29 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q49** General Intelligence and Reasoning

In a certain code language, ALMIRAH is written as HRRMUCI and COMPANY is written as JURTDPZ. How will JUNGLEE be written in that language?

A. QUREASR

B. QASKPHF

C. QBSKHFW

D. QASKOGF ✓

**Q50** General Intelligence and Reasoning

A is the sister of B and C. D is the father of C. E is the mother of A. Considering these facts, which of the following statements CANNOT be verified?

A. D is E's husband.

B. E is the mother of B.

C. B is E's son. ✓

D. D is the father of A.

**Q51** General Intelligence and Reasoning

Read the given statement and courses of action carefully. A course of action is a step or administrative decision to be taken for improvement, follow up or further action in regard to the problem, policy, etc. Assuming that the information given in the statement is true, decide which of the given courses of action logically follow(s) from the statement.

**Statement:**

Some serious and substantial mistakes were found in the financial account statements of a private limited company.

**Courses of Action:**

I: A team of experts should be assigned to find the root cause of the mistakes in the accounts of the private limited company and suggest remedial action.

II: All the involved employees should be thoroughly investigated.

A. Both I and II follow ✓

B. Only II follows

C. Only I follows

D. Neither I nor II follows

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q52** General Intelligence and Reasoning

Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CML, XJK, SGJ, NDI, ?

A. IAH ✓

B. IBH

C. IBG

D. HAI

**Q53** General Intelligence and Reasoning

A, B, C, D, E, and F are six people living in a six-storey building, with each person living on a different floor. The lowermost floor is numbered 1, the floor above it 2, and so on till the topmost floor is numbered 6.

F lives on floor number 3. B and E live on the floors below F's floor. D lives on a floor that is below A's floor but above C's floor. Who among them lives on the topmost floor?

A. A ✓

B. E

C. D

D. C

**Q54** General Intelligence and Reasoning

Arpit's birthday on $10^{th}$ March 2020 was on a Tuesday. On which day was his wife's birthday on $25^{th}$ May 2020?

A. Wednesday

B. Sunday

C. Tuesday

D. Monday ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q55** General Intelligence and Reasoning

In each of the given number-clusters, the number on the right side of '=' (the equal to sign) is calculated by performing certain mathematical operations on the three numbers on the left of '=' (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

4, 3, 2 = 21

5, 6, 3 = 52

5, 8, 4 = ?

A. 41

B. 73 ✓

C. 85

D. 106

**Q56** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

In a school party, six girls are sitting in a circle facing the centre. Pragathi is sitting to the immediate left of Keerthi. Kavya is an immediate neighbour of both Pragathi and Vaishali. Meghana is an immediate neighbour of both Keerthi and Vasantha.

Who is sitting to immediate left of Vaishali?

A. Meghana

B. Kavya

C. Pragathi

D. Vasantha ✓

**Q57** General Intelligence and Reasoning

In a row of people, Raghav is standing at the $14^{th}$ position from the extreme left end and Naresh is at the $16^{th}$ position from the extreme right end. If they interchange their respective positions, Raghav now becomes $23^{rd}$ from the extreme left end.

What is the position of Naresh from the extreme right end after the interchange?

A. $24^{th}$

B. $22^{nd}$

C. $28^{th}$

D. $25^{th}$ ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q58** General Intelligence and Reasoning

Select the number from among the given options that can replace the question mark (?) in the following series.

85, 84, 92, 65, 129, ?

A. 177

B. 258

C. 329

D. 4 ✓

**Q59** General Intelligence and Reasoning

Seven friends A, B, C, D, E, F and G are sitting facing the centre in a circular position. F is sitting to the immediate right of C. C is sitting at the second position to the right of G. E is sitting at the third position to the right of A. B is an immediate neighbour of both D and E. Which of the following statements is FALSE?

A. E is sitting at the third position to the left of G.

B. A is sitting to the immediate left of C.

C. C is sitting at the third position to the right of D.

D. B is sitting to the immediate right of G. ✓

**Q60** General Intelligence and Reasoning

If letters of the English alphabet are written in reverse order then which letter is $5^{th}$ to the right of $12^{th}$ letter from the right?

A. O

B. L

C. G ✓

D. J

**Q61** General Intelligence and Reasoning

'A & B' means 'A is younger than B'

'A @ B' means 'A is equal to B'

If 'P & Q @ Y & Z & T', then who is the oldest among all?

A. Y

B. P

C. Z

D. T ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q62** General Intelligence and Reasoning

In a certain code language, 'bitter ash kill' is written as 'pal odd tom', 'very cute doll' is written as 'saw tim toy', and 'doll and kill' is written as 'toy sad tom'. How will 'and' be written in that language?

A. toy

B. sad ✓

C. cute

D. doll

**Q63** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow from the statements.

**Statements:**

All ducks are tigers.

All tigers are monkeys.

All monkeys are cows.

**Conclusions:**

I. All tigers are cows.

II. All monkeys are ducks.

III. All ducks are cows.

IV. All cows are tigers.

A. Both conclusions I and II follow.

B. Both conclusions I and III follow. ✓

C. Conclusions I, II and III follow.

D. Both conclusions III and IV follow.

**Q64** General Intelligence and Reasoning

Rahul left his school and walked 20 m straight towards the north, turned left and walked straight for another 20 m. He took a final left turn again and walked straight for 20 m to reach home. What is the shortest distance between the school and his home? (All turns are $90^{o}$ turns only)

A. 30 m

B. 20 m ✓

C. 25 m

D. 40 m

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q65** General Intelligence and Reasoning

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

M N L _ M N L L _ _ L L M _ L L _ N L L _ N

A. N M N M M L

B. L N N M M M

C. L M N N M M ✓

D. L N M N M M

**Q66** General Intelligence and Reasoning

A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

**Question:**

How many soldiers are there between William and David in a row of soldiers, all facing north?

**Statements:**

(I) William is $15^{th}$ from the extreme left end of the row.

(II) David is exactly in the middle of the row and there are ten soldiers to his right.

A. Both I and II together are not sufficient

B. II alone is sufficient, while I alone is not sufficient

C. Both I and II together are sufficient ✓

D. I alone is sufficient, while II alone is not sufficient

**Q67** General Intelligence and Reasoning

In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

A. 82 – 729

B. 68 – 512 ✓

C. 26 – 125

D. 50 – 343

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q68** General Intelligence and Reasoning

In a certain code, 'go home' is written as 'ta na', and 'nice little home' is written as 'na ja pa'. How is 'go' written in that code?

A. na

B. ta ✓

C. na or pa

D. ja

**Q69** General Intelligence and Reasoning

In a certain code language, SOFA is written as TQIE and CLOAK is written as DNREP. How will TABLE be written in that language?

A. UBDPJ

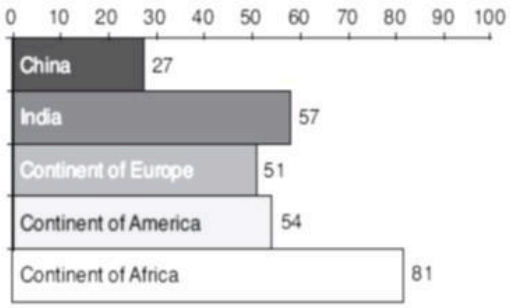
B. UCEPJ ✓

C. UCEQH

D. UCDPJ

**Q70** General Intelligence and Reasoning

The following graph represents the number distribution of all the directors in the film industry of country X by their birth origin.




What is the ratio of the number of directors from the continent of America to the total number of directors?

A. 1 : 6

B. 1 : 3

C. 1 : 5 ✓

D. 1 : 4

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q71** General Awareness

Which of the following is the largest slum area in India?

A. Kirti Nagar

B. Dharavi ✓

C. Royapuram

D. Antop Hill

**Q72** General Awareness

The provisions contained in the Directive Principles of State Policy:

A. can be enforced by the Supreme court

B. can be enforced by any court

C. cannot be enforced by any court ✓

D. can be enforced by the High court

**Q73** General Awareness

Which of the following correctly define the term 'Cash Reserve Ratio'?

A. Percentage of liquid reserves in the bank.

B. Ratio of deposits for the expenses of the firms.

C. Liabilities of the bank which need to be paid for.

D. Percentage of deposits which a bank must keep as cash reserves with the Reserve Bank of India. ✓

**Q74** General Awareness

Which of the following is NOT a SI unit?

A. Ampere

B. Newton

C. Calorie ✓

D. Ohm

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q75** General Awareness

What is the full form of SJSRY in relation to self-employment programmes implemented by the Government of India in 1997?

A. Swarna Jayanti Shramjeevi Rozgar Yojana

B. Swarna Jayanti Sarkari Rozgar Yojana

C. Swarna Jayanti Shahari Rozgar Yojana ✓

D. Swarna Jayanti Samajik Rozgar Yojana

**Q76** General Awareness

Which country ranks number one in the World *Happiness* Report 2021?

A. Sweden

B. Bhutan

C. Finland ✓

D. Denmark

**Q77** General Awareness

The High Court's power to issue writs is mentioned under:

A. Article 230

B. Article 226 ✓

C. Article 233

D. Article 225

**Q78** General Awareness

Who assumed additional charge of Secretary, Department of Defence Production on 30$^{th}$ November 2021?

A. Sushil R. Gaikwad

B. Ajay Bhatt

C. Ajay Kumar ✓

D. Amarendra Tiwari

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q79** General Awareness

She/He gave up dancing and studied the sitar under the noted musician Ustad Allauddin Khan. She/He was also the music director of All-India Radio from 1948 until 1956. Who among the following was that person?

A. Ananda Shankar

B. Mamata Shankar

C. Ravi Shankar ✓

D. Uday Shankar

**Q80** General Awareness

Who among the following won the FIFA Best Men's Player award for the second consecutive year in 2022?

A. Mohamed Salah

B. Cristiano Ronaldo

C. Robert Lewandowski ✓

D. Lionel Messi

**Q81** General Awareness

Which minister introduced the Essential Defence Services Bill in Lok Sabha on 22 July 2021?

A. Piyush Goyal

B. Rajnath Singh ✓

C. Nirmala Sitharaman

D. Nitin Gadkari

**Q82** General Awareness

Premier India off-spinner _____ finished the 2019-21 World Test Championship cycle as the leading wicket-taker with 71 scalps to his credit.

A. Ravichandran Ashwin ✓

B. Ravindra Jadeja

C. Rahul Chahar

D. Axar Patel

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q83** General Awareness

In which sector is India's maximum population employed, according to the Census of 2011?

A. Secondary

B. Tertiary

C. Quaternary

D. Primary ✓

**Q84** General Awareness

Which Article of the Indian Constitution deals with the oath or affirmation by the President?

A. 70

B. 55

C. 65

D. 60 ✓

**Q85** General Awareness

Lord Dalhousie, was Governor General of India during which period?

A. 1848 to 1856 ✓

B. 1723 to 1734

C. 1757 to 1810

D. 1813 to 1830

**Q86** General Awareness

Which of the following is NOT a chemical weathering process?

A. Carbonation

B. Oxidation

C. Thermal expansion ✓

D. Hydration

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q87** General Awareness

Which of the following statements with respect to the law of variable proportions is true?

A. The marginal product of a factor input initially drops with its employment level, but after reaching a certain level of employment, it starts rising.

B. The marginal product of a factor input initially falls with its employment level, but after reaching a certain level of employment, it starts falling even more, causing a depression.

C. The marginal product of a factor input initially rises with its employment level and remains consistent throughout.

D. The marginal product of a factor input initially rises with its employment level, but after reaching a certain level of employment, it starts falling. ✓

**Q88** General Awareness

Researchers from SNM College Maliankara, the MS Swaminathan Research Foundation and the Payyanur College have reported two new plant species, namely *Fimbristylis sunilii* and *Neanotis prabhuii*, from the biodiversity-rich Western Ghat regions in _____.

A. Alappuzha and Palakkad districts

B. Ernakulam and Idukki districts

C. Kottayam and Kozhikode districts

D. Thiruvananthapuram and Wayanad districts ✓

**Q89** General Awareness

Which of the following statements is TRUE?

A. DRAM is faster than SRAM.

B. SRAM requires periodic refreshing.

C. SRAM is a non-volatile memory.

D. Both SRAM and DRAM are random access memory. ✓

**Q90** General Awareness

In which of the following languages did Kalidasa write his poem Meghaduta?

A. Prakrit

B. Pali

C. Hindi

D. Sanskrit ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q91** General Awareness

Anthurium, named after a famous flower, is a major festival of which of the following states?

A. Arunachal Pradesh

B. Nagaland

C. Mizoram ✓

D. Manipur

**Q92** General Awareness

Slash and burn agriculture is also known as _____ in Madhya Pradesh.

A. Bewar ✓

B. Kuruwa

C. Jhum

D. Valre

**Q93** General Awareness

The female astronaut Noura al-Matroushi is related to which country?

A. Turkey

B. United Arab Emirates ✓

C. Lebanon

D. Jordon

**Q94** General Awareness

The Directive Principles of State Policy in the Constitution of India have been adopted from the:

A. Irish Constitution ✓

B. US Constitution

C. French Constitution

D. Canadian Constitution

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q95** General Awareness

According to the Constitution of India, free and compulsory education to children is mandatory up to the age of:

A. 18 years

B. 14 years ✓

C. 6 years

D. 10 years

**Q96** General Awareness

The Cherry Blossom Festival 2021 was inaugurated in which of the following cities?

A. Kohima

B. Imphal

C. Shillong ✓

D. Guwahati

**Q97** General Awareness

Which of the following is the factor that causes the winter rain in the north-western part of India?

A. High pressure over the Indian Ocean

B. Monsoon winds

C. Western disturbances ✓

D. Subtropical easterly jets

**Q98** General Awareness

Which singer was honoured with the Icon Award at 2021 Billboard Music Awards in May 2021?

A. Jennifer Lopez

B. Garth Brooks

C. P!nk ✓

D. Mariah Carey

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q99** General Awareness

Which of the following organelle of the eukaryotic cells are also called suicidal bags?

A. Lysosomes ✓

B. Chloroplast

C. Golgi body

D. Mitochondria

**Q100** General Awareness

The National Unity Day is celebrated in India on the birth anniversary of _____.

A. Indira Gandhi

B. Sardar Vallabhbhai Patel ✓

C. Dr BR Ambedkar

D. Mother Teresa

**Q101** General Awareness

On 30 July 2021, Union Minister Jitendra Singh released _____ guidelines for Promotion of Research and Innovation through Data Exchange.

A. Biotech-PRIDE ✓

B. Biotech-REGUIDE

C. Biotech-NOVELD

D. Biotech-INNOVAT

**Q102** General Awareness

Who among the following was selected for 'Guru Gopinath Desiya Natya Puraskaram, 2019' by the State Government of Kerala for popularising Sattriya – the Indian classical dance form of Assam?

A. Ramkrishna Talukdar

B. Indira P P Bora ✓

C. Haricharan Bhuyan Borbayan

D. Tankeswar Hazarika Borbayan

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q103** General Awareness

According to the Ministry of Fisheries (2020), India contributes about _____ to the global fish production.

A. 15.7%

B. 6.7%

C. 12.7%

D. 7.7% ✓

**Q104** General Awareness

In the Fixed Exchange Rate system, the _____ fixes the exchange rates at a particular level.

A. market

B. trading union

C. businessperson

D. government ✓

**Q105** General Awareness

Which of the following is NOT a feature of succulent plants?

A. roots present

B. Stem present

C. Drought-resistant

D. No leaves ✓

**Q106** General Awareness

Mirabai, the best known woman-poet and a devotee of lord Krishna was a Rajput princess from present day _____.

A. Gujarat

B. Odisha

C. Andhra Pradesh

D. Rajasthan ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q107** General Awareness

As of January 2022, the Ministry of Textiles has approved how many projects in the field of Specialty Fibres and Geotextiles under the flagship programme National Technical Textiles Mission (NTTM)?

A. 18

B. 15

C. 20 ✓

D. 22

**Q108** General Awareness

What does 21 stand for in 'Agenda 21', a declaration aiming sustainable development adopted during Earth Summit 1992?

A. 21 concerns

B. 21st century ✓

C. 21 signatory nations

D. 21 goals

**Q109** General Awareness

What is the default vertical alignment of texts in an Excel worksheet?

A. Justify

B. Bottom ✓

C. Center

D. Top

**Q110** General Awareness

Which of the following statements is CORRECT?

A. The process of remaining in regular salaried employment and self-employment is known as casualisation of workforce.

B. The process of moving from self-employment and casual wageworker to regular salaried employment is known as casualisation of workforce.

C. The process of moving from self-employment and regular salaried employment to casual wageworker is known as casualisation of workforce. ✓

D. The process of moving from casual wageworker to self-employment and regular salaried employment is known as casualisation of workforce.

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q111** General Awareness

Which of the following Indian States is famous for Paika dance?

A. Odisha ✓

B. Tamil Nadu

C. Manipur

D. Kerala

**Q112** General Awareness

Which of the following is a popular dance and music combination of Andhra Pradesh that is similar to the stick dance?

A. Dandiya

B. Neuleu

C. Villu Pattu

D. Kolannalu ✓

**Q113** General Awareness

The Panama Canal is located in which of the following regions?

A. East Europe

B. South Asia

C. Central America ✓

D. Arabian Peninsula

**Q114** General Awareness

_____ is an inland river port serving the vast hinterland of the Ganga-Brahmaputra Basin.

A. Tuticorin

B. Kochi

C. Kandla

D. Kolkata ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q115** General Awareness

Borneo, Java and Sumatra are islands of which of the following archipelagos?

A. Seychelles

B. Maldives

C. Indonesia ✓

D. Mauritius

**Q116** General Awareness

The Sun temple at Konark, is popularly known as the _____.

A. Golden Pagoda

B. Black Pagoda ✓

C. Bronze Pagoda

D. White Pagoda

**Q117** General Awareness

The International Conference on Soil and Water Resources Management for Climate was organised in November 2019 in _____ to deliberate upon the various issues and challenges of soil and water conservation.

A. Gurugram

B. Greater Noida

C. Ghaziabad

D. New Delhi ✓

**Q118** General Awareness

What is the approximate molecular weight of common salt?

A. 28 g/mol

B. 14 g/mol

C. 58 g/mol ✓

D. 117 g/mol

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q119** General Awareness

Who among the following Governor Generals introduced the Doctrine of Lapse?

A. Lord Hardinge

B. Lord Auckland

C. Lord Dalhousie ✓

D. Lord Bentinck

**Q120** General Awareness

Which of the following is NOT written by Kalidasa?

A. Abhigyan Shakuntalam

B. Nitisara ✓

C. Raghuvamsa

D. Vikramorvasiyam

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Mathematics** 35 Questions • Answer Key

**Q1** Mathematics

From the top of a platform 4 m high the angle of elevation of the top of a tower $50\sqrt{3}$ m away was measured. If the tower was 54 m high, what was the angle of elevation of the tower from the top of the platform?

A. $60^0$

B. $30^0$ ✓

C. $45^0$

D. $75^0$

**Q2** Mathematics

Simplify the following expression:

$$\frac{15^3+20^3+25^3-22500}{15^2+20^2+25^2-300-500-375}$$

A. 75

B. 80

C. 50

D. 60 ✓

**Q3** Mathematics

The value of $\frac{3}{4} \times 2\frac{2}{3} \div \frac{5}{9}$ of $1\frac{1}{5} - \frac{3}{5}$ of $(\frac{2}{3} \div \frac{2}{3}$ of $\frac{3}{2}) + \frac{4}{5} \times 1\frac{1}{9} \div \frac{8}{15} - \frac{2}{3}$ is:

A. $1\frac{3}{10}$

B. $3\frac{3}{5}$ ✓

C. $3\frac{9}{10}$

D. $4\frac{2}{5}$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q4** Mathematics

A football team lost 40% of the matches it played. If it won 75 matches, then find the number of matches it played.

A. 140

B. 110

C. 125 ✓

D. 130

**Q5** Mathematics

What is the largest number that will divide both 288 and 468 without leaving any remainder?

A. 39

B. 36 ✓

C. 72

D. 18

**Q6** Mathematics

The graphs of the equations $2x+3y = 4$ and $3x-y+5 = 0$, intersect at $P(\alpha, \beta)$. What is the value of $(3\alpha-4\beta)$?

A. 2

B. 11

C. -1

D. -11 ✓

**Q7** Mathematics

A sum of ₹9200 was lent partly at 5% p.a. and the rest at 8% p.a., both earning simple interest. Total interest received after 3 years was ₹1812. The sum (in ₹) lent at 5% p.a. was

A. 5200

B. 4600

C. 4400 ✓

D. 4200

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q8** Mathematics

What is the compound interest (in ₹) on a sum of ₹15600 at 20% p.a. for $2\frac{1}{4}$ years, the interest being compounded annually? [Give your answer correct to the nearest ₹.]

A. 7993

B. 7884

C. 7895

D. 7987 ✓

**Q9** Mathematics

A field is in the shape of a rhombus whose side is 122 m. The length of one of its diagonals is 240 m. What is the area (in $m^2$) of the field?

A. 5280 ✓

B. 1320

C. 1760

D. 3080

**Q10** Mathematics

If each of the observations of 14, 22, 16, 24, 12, 8, 4, 18, 12, 10 is increased by 10, then what will be their new mean?

A. 26

B. 24 ✓

C. 14

D. 16

**Q11** Mathematics

If A can do a piece of work in 8 days, B can do it in 10 days and C can do it in 20 days., then in how many days can A, B and C together do the same work?

A. $2\frac{7}{11}$

B. 3

C. $3\frac{7}{11}$ ✓

D. 4

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q12** Mathematics

Find the surface area (in $dm^2$) of a cuboid whose length is 4.2 m, breadth is 30 dm and height is 180 cm.

A. 4924

B. 5042

C. 5212

D. 5112 ✓

**Q13** Mathematics

Arvind bought 120 m cloth for ₹15000. He sold 45% of it at a gain of 40%, 25% of it at a loss of 10% and the remaining cloth at the cost price. His profit (in ₹) in the entire transaction is

A. ₹2325 ✓

B. ₹2035

C. ₹4180

D. ₹4075

**Q14** Mathematics

A pole is 405m long. It is painted in saffron, white and green colours one above the other in the ratio 8:9:10 respectively. What is the length of the white part of the pole (in meters)?

A. 140m

B. 130m

C. 120m

D. 135m ✓

**Q15** Mathematics

What is the area ( $in\ m^2$ ) of a circular path having a uniform width of 3m surrounding a circular field of diameter 150m?

A. $447\pi$

B. $459\pi$ ✓

C. $456\pi$

D. $453\pi$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q16** Mathematics

P and Q together can complete a job in 20 days. Q and R together can complete the same job in 30 days. P and R together can complete the same job in 30 days. What is the respective ratio of the number of days taken by P when completing the same job alone to the number of days taken by R when completing the same job alone?

A. 1:2

B. 3:4

C. 2:3

D. 1:3 ✓

**Q17** Mathematics

The altitude of an equilateral triangle is 12 cm. What is the perimeter of the triangle?

A. $30\sqrt{3}$ cm

B. $24\sqrt{3}$ cm ✓

C. 42 cm

D. $18\sqrt{3}$ cm

**Q18** Mathematics

In an examination Sunita scored 90% of what Anita scored, while Anita's score was 110% of what Vinita scored. If Sunita scored 198 marks in the examination, how many marks did Vinita score?

A. 220

B. 180

C. 200 ✓

D. 242

**Q19** Mathematics

The L.C.M. of two numbers is 252 and their H.C.F. is 14. If one of the numbers is 28, then by what percentage is the other number more than 28?

A. 340%

B. 310%

C. 330%

D. 350% ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q20** Mathematics

Let $x$ be the median of the data: 16, 78, 26, 91, 29, 71, 31, 46, 9, 51, 54, 56, 61, 21, 62, 65, 73, 86, 41, 89. Let y be the median of the data obtained when 26 and 41 are replaced by 59 and 75, respectively, in the above data. What is the value of $(3x - 2y)$?

A. 38

B. 54

C. 49

D. 45 ✓

**Q21** Mathematics

The curved surface area of a solid cylinder is $\frac{2}{3}$ of its total surface area. If the solid cylinder has a total surface area of 231 $cm^2$, then find the volume of the cylinder (in $cm^3$). (Use $\pi = \frac{22}{7}$)

A. 269.5 ✓

B. 348.2

C. 295.4

D. 264.8

**Q22** Mathematics

By how much does $\frac{12}{\left(\frac{13}{14}\right)}$ exceed $\frac{\left(\frac{12}{13}\right)}{14}$ ?

A. $13\frac{1}{6}$

B. $13\frac{6}{7}$

C. $5\frac{5}{17}$

D. $12\frac{6}{7}$ ✓

**Q23** Mathematics

The ratio of the radius of a sphere to the radius of a hemisphere is 4:5 respectively. The surface area of the sphere is what percentage more than the curved surface area of the hemisphere?

A. 26%

B. 25%

C. 28% ✓

D. 27%

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q24** Mathematics

The value of the expression $43\frac{2}{3} \div \left[35 + \frac{3}{4} of 24 + \left(42 \div 7 - 5\frac{1}{3}\right)\right]$ is

A. $\frac{91}{161}$

B. $\frac{131}{161}$ ✓

C. $\frac{121}{161}$

D. $\frac{109}{161}$

**Q25** Mathematics

A shopkeeper sells an article at 20% profit. If he had bought the article at 10% less and sold it at ₹18 more than the previous selling price, he would have made 40% profit. What is the original cost price of the article (in ₹)?

A. 350

B. 280

C. 300 ✓

D. 320

**Q26** Mathematics

$\Delta$ RST is an obtuse isosceles triangle with $m\angle R = 16^0$ and $m(\overline{TR}) > m(\overline{ST})$. What is the measure of $\angle S$?

A. $164^0$

B. $144^0$

C. $148^0$ ✓

D. $16^0$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q27** Mathematics

A bus covers four successive 12km stretches at 20kmph, 40kmph, 60kmph and 120kmph respectively. Its average speed (in kmph) over this distance is :

A. 40 ✓

B. $\frac{100}{9}$

C. 50

D. $\frac{200}{9}$

**Q28** Mathematics

Simplify the following expression:

$\sqrt{12.5 \times 8 \times 1.44}$

A. 12 ✓

B. 15

C. 10

D. 13

**Q29** Mathematics

When the speed of a car is increased by 30%, it takes 24 minutes less to cover the same distance. What is the time taken by it to cover the same distance at its usual speed?

A. 1 hour 44 minutes ✓

B. 1 hour 55 minutes

C. 1 hour 50 minutes

D. 1 hour 40 minutes

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q30** Mathematics

A sum of money invested at a certain rate of simple interest per annum amounts to ₹24500 in eight years and to ₹32000 in thirteen years. Find the sum invested.

A. ₹11500

B. ₹12000

C. ₹12500 ✓

D. ₹13000

**Q31** Mathematics

A can complete a piece of work alone in 20 days, B can do it alone in 15 days and C can complete it alone in 18 days. B and C started the work together but both were forced to leave after 4 days. The remaining work was done by A in:

A. $10\frac{2}{9}$ days ✓

B. 12 days

C. $9\frac{2}{45}$ days

D. $14\frac{2}{45}$ days

**Q32** Mathematics

Find the compound interest on ₹100000 at 20% per annum for 3 years 3 months, compounded annually.

A. ₹82360

B. ₹81440 ✓

C. ₹65000

D. ₹71650

**Q33** Mathematics

Simplify the following expression:

$$(15 \div 3) - [\{(19 - 1) \div 2\} - \{5 \times 20 - (7 \times 9 - (-2))\}]$$

A. 21

B. 35

C. 31 ✓

D. $-21$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q34** Mathematics

Which one of the following numbers is divisible by 24?

A. 32192

B. 52182

C. 42192 ✓

D. 23152

**Q35** Mathematics

The scores obtained by 10 students in a test are 82, 60, 62, 63, 78, 75, 86, 75, 91, 46.

Find the arithmetic mean of their scores.

A. 72.2

B. 70.6

C. 72.8

D. 71.8 ✓

## General Intelligence and Reasoning

35 Questions • Answer Key

**Q36** General Intelligence and Reasoning

Eight people are sitting around a circular table at equal distances, facing the centre. Lalit is an immediate neighbour of both Chirag and Pihu. Kiran is to the immediate right of Sanjay. Only three people sit between Sia and Pihu. Asha is third to the right of Chirag. Only three people sit between Kiran and Rajiv. Sia is an immediate neighbour of Rajiv and Asha. Who is sitting to the immediate right of Asha?

A. Kiran

B. Chirag

C. Sanjay ✓

D. Sia

**Q37** General Intelligence and Reasoning

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ab_ _da_bcda_ _cd_ _bcd

A. bcbabab

B. bcbbbab ✓

C. bcbbaab

D. bcabbab

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q38** General Intelligence and Reasoning

If 'A # B' means A is the father of B,

'A & B' means A is the brother of B,

'A @ B' means A is the mother of B,

then, which of the following is definitely true about C @ A # B & D?

A. C is paternal grandmother of B and D. ✓

B. D is granddaughter of C.

C. C is mother of A and D.

D. D is daughter of A.

**Q39** General Intelligence and Reasoning

P, Q, R, S and T appeared in a class test and each scored different marks. T scored more than only one student. S scored more than Q but less than P. Q did not score less than T. Who among them scored the highest marks?

A. Q

B. R

C. S

D. P ✓

**Q40** General Intelligence and Reasoning

Which of the alpha-numeric clusters given in the options is similar to the alpha-numeric clusters given below?

$E^{22}Q^{10}D^{23}$

$R^{9}U^{6}B^{25}$

A. $T^{7}G^{20}X^{24}$

B. $V^{5}E^{22}N^{14}$

C. $S^{8}M^{14}N^{13}$ ✓

D. $H^{8}N^{14}S^{19}$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q41** General Intelligence and Reasoning

To join in a bank, there are few selection criteria. Read the given conditions and select your answer for the following situation.

**Conditions:**

1. Candidate must be a graduate with 60% marks.
2. Candidate must secure minimum 70% marks in the selection test.
3. Candidate should have a certificate in computer fundamentals.

**Special Exemptions:**

1. In case the graduation is in B.Tech, the 3rd condition can be waived off .
2. If the marks in selection test is less than 70% but more than 60%, and the graduation marks is more than 75%, the case will be referred to the GM for consideration.

**Situation:**

Vijay has applied for the post and secured 70% marks in the selection test. He has done B.Tech with 75% marks.

A. His case will be referred to the GM.

B. Information is incomplete.

C. He will be rejected.

D. He will be selected. ✓

**Q42** General Intelligence and Reasoning

In a certain code language, 'FEATURE' is written as 'ZIUXOVY' and 'CONSULT' is written as 'WSHWOPN'. How will 'PROMISE' be written in that language?

A. IVHQBWX

B. IUHPBVX

C. JUIPCVY

D. JVIQCWY ✓

**Q43** General Intelligence and Reasoning

Shreya starts walking towards the north from her shop. She walks 15 m, then takes a right turn and walks 30 m. She now takes a left turn and walks 15 m, then again she takes a left turn and walks 15 m. Finally, she turns left again and stops after walking 15 m. In which direction is the end point with respect to the starting point? (all turns are $90^{O}$ turns only)

A. South-east

B. South-west

C. North-west

D. North-east ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q44** General Intelligence and Reasoning

In a certain code language, if 'COMPUTER' is written as RETPUMOC", 'NOTEBOOK' is written as 'KOOEBTON', how will 'INTERNET' be written in that language?

A. TENERTNI ✓

B. TEENRINT

C. TENERNIT

D. TENREINT

**Q45** General Intelligence and Reasoning

In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

A. 3 : 12

B. 14 : 220 ✓

C. 11 : 132

D. 5 : 30

**Q46** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

Some boys are handsome.

No handsome is employed.

No graduate is a boy.

**Conclusions:**

I. Some handsome are not graduates.

II. No employed is a boy.

A. Both conclusions I and II follow

B. Only conclusion I follows ✓

C. Neither conclusion I nor conclusion II follows

D. Only conclusion II follows

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q47** General Intelligence and Reasoning

Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

**Statement:**

Milk will become poison, if kept in a copper utensil. Poison is good for consumption and health.

**Conclusions:**

I. People should consume milk which is kept in a copper pot.

II. Consumption of poison should be avoided.

A. Conclusion II follows

B. Both the conclusions I and II follow

C. Neither conclusion I nor II follows

D. Conclusion I follows ✓

**Q48** General Intelligence and Reasoning

Select the number that can replace the question mark (?) in the following series.

40, 20, 20, 30, 60, ? , 450, 1575, 6300

A. 40

B. 180

C. 150 ✓

D. 120

**Q49** General Intelligence and Reasoning

Eight Friends are playing a game. K, L, M, and N are sitting in a straight line and are facing North. O, P, Q and R are sitting on a parallel line and are facing South. Thus each of the persons sitting in a line, faces another person sitting in the parallel line. M faces a person who has two people sitting to his right. N is sitting between M and K. Q faces K. O is neither an immediate neighbour of P nor Q. Who amongst the following faces M?

A. Q

B. O

C. P

D. R ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q50** General Intelligence and Reasoning

Eight friends A, B, C, D, E, F, G and H are sitting around a square table in a manner that two persons are sitting on each side of the table. They all are facing the centre of the table, thus each person sitting on a side is facing another person sitting on the opposite side of the square. A is not facing G, F, and H. Both B and C are immediate neighbours of A. E faces one of the immediate neighbours of A. H faces C. Who is sitting opposite D?

A. H

B. G

C. F

D. A ✓

**Q51** General Intelligence and Reasoning

'TABLE' is related to '726251522'and 'FORMS' is related to '21129148', in the same way as 'CHAIR' is related to '_____'.

A. 241926198

B. 241296189

C. 214926189

D. 241926189 ✓

**Q52** General Intelligence and Reasoning

In the below question two statements I and II are given. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statements. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

Statements:

I) India's economy sees record growth during the deadly Covid second wave.

II) Manufacturing and Health sectors drove growth during the second lockdown.

A. Both the statements I and II are effects of independent causes and none can be a possible cause of the other.

B. Statement I is the cause and statement II is its effect.

C. Both the statements I and II are independent causes.

D. Statement II is the cause and statement I is its effect. ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q53** General Intelligence and Reasoning

Raj, Vikram, Amit, Amar and Shivani are five friends. Raj, Vikram and Amit are intelligent. Raj, Amar and Shivani are hard working. Amar, Amit and Shivani are teachers. Raj, Vikram and Shivani are scholars.

Who among the given friends is neither hardworking nor a scholar?

A. Amit ✓

B. Vikram

C. Shivani

D. Raj

**Q54** General Intelligence and Reasoning

Seven friends P, Q, R, S, T, U and V belong to seven cities namely Shimla, Manali, Agra, Jaipur, Goa, Guwahati and Darjeeling but not necessarily in the same order. Each one of them belong to only one city. T belongs to Darjeeling. S and V belong to Manali and Shimla , respectively. Q belongs to Agra. One among R and U belongs to Guwahati. P does not belong to Goa.

Who belongs to Jaipur?

A. P ✓

B. R

C. S

D. Q

**Q55** General Intelligence and Reasoning

In a certain code language, 'ACHIEVE' is written as 'XHENBAB' and 'NUMBERS' is written as 'KZJGBWP'. How will 'CAPTAIN' be written in that language?

A. YHLAWPJ

B. ZFMYXNK ✓

C. ZHMAXPK

D. YFLYWNJ

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q56** General Intelligence and Reasoning

Awadh walks 20m towards West. Then, he turns to his left and walks 10 m. Then, he again takes a left turn and walks 10 m. Now, he takes a right and again walks 10 m. Finally, he takes a right turn and stops after walking 10 m. In which direction is the stopping point with respect to the starting point? (all turns are $90^{O}$ turns only)

A. North-east

B. South-east

C. North-west

D. South-west ✓

**Q57** General Intelligence and Reasoning

Which two signs should be interchanged to make the following equation correct?

$24 \times 36 \div 27 + 6 - 2 = 22$

A. $+$ and $\times$

B. $-$ and $+$

C. $\div$ and $+$

D. $\div$ and $\times$ ✓

**Q58** General Intelligence and Reasoning

In a certain code language, 'TEACHING' is written as 'GVZXSRMT', 'TENDENCY' is written as 'GVMWVMXB'. How will 'SYMBOLIC' be written in that language?

A. HBMYKORX

B. HBNXLORW

C. HBNYLORX ✓

D. HBMXLOSY

**Q59** General Intelligence and Reasoning

A certain number of people are sitting in a row, facing North. E sits fourth to the right of D. B sits third to the left of D. Exactly seven people sit between A and D. E and C occupy the extreme end positions of the row. A sits third to the right of C. If no other person is sitting in the row, what is the total number of persons seated?

A. 14

B. 15

C. 16 ✓

D. 17

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q60** General Intelligence and Reasoning

7 friends Garima, Pakhi, Parul, Shikha, Ruby, Ana and Shomya are seated on a bench and are facing North. Shikha is an immediate neighbour of the person who is seated at one of the extreme ends. Only three people are seated between Ana and Ruby. Ruby is seated at one of the extreme ends of the bench. Ruby is an immediate neighbour of Pakhi. Parul is an immediate neighbour of both Shomya and Pakhi. Who is seated in the middle of the bench?

A. Parul

B. Shomya ✓

C. Shikha

D. Ana

**Q61** General Intelligence and Reasoning

Ajay correctly remembers that his mother Radhika's birthday is after the $5^{th}$ but before the $10^{th}$ of June, while his sister Sita correctly remembers that her mother's birthday is before the $11^{th}$ but after the $8^{th}$ of June. On which date in June is their mother's birthday?

A. $10^{th}$

B. $7^{th}$

C. $9^{th}$ ✓

D. $8^{th}$

**Q62** General Intelligence and Reasoning

Select the letter-pair from among the given options that can replace the question mark (?) and continue the given series.

AN, CL, ?, GH, IF

A. DI

B. EJ ✓

C. EI

D. DJ

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q63** General Intelligence and Reasoning

A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient/necessary to answer the question.

**Question:**

What is the total of five natural even numbers?

**Statements:**

I. The second number is two times the first number.

II. All the five even numbers are consecutive even numbers in increasing order.

A. Statement II alone is sufficient to answer the Question

B. Both the Statements together are necessary to answer the Question ✓

C. Statement I alone is sufficient to answer the Question

D. Both the Statements together are not sufficient to answer the Question

**Q64** General Intelligence and Reasoning

Which of the following options is the closest approximate value which will replace question mark (?) in the following equation?

$(44.97\% \text{ of } 226) + 55.03 \times 4.98 - ? = 140$

A. 120

B. 25

C. 508

D. 237 ✓

**Q65** General Intelligence and Reasoning

Rajat joined school on 26$^{th}$ February 2020, a Wednesday, and he has his examination scheduled on 26$^{th}$ May 2020. There was no holiday or leave, except Sundays. For how many active working days did he go to school before the exam?

A. 74

B. 76

C. 72

D. 77 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q66** General Intelligence and Reasoning

On all the five corners of pentagon, five people Ram, Rohan, Sunita, Seema and Chandan sit in a specific order facing towards the centre. Ram is to the immediate left of Rohan. Sunita is not an immediate neighbour of Ram. Chandan is an immediate neighbour of both Sunita and Seema.

What will be the position of Sunita with respect to Ram?

A. Sunita occupies third place from Ram in the anticlockwise direction

B. Sunita occupies third place from Ram in the clockwise direction ✓

C. Sunita occupies second place from Ram in the clockwise direction

D. Sunita occupies first place from Ram in the anti-clockwise direction

**Q67** General Intelligence and Reasoning

Anu lives on one floor in a seven storey building. Each floor of the building is numbered in a manner that the lowest floor is numbered as one and the highest floor is numbered as seven. She does not live on an even numbered floor. At least two floors are above and two floors are below the floor where she lives. There are at least two floors between her and her friend who lives on the topmost floor. On which floor is Anu's flat?

A. 1

B. 3 ✓

C. 7

D. 5

**Q68** General Intelligence and Reasoning

'#' means '>',

'$' means '≥',

'%' means '<', and

'@' means '≤'.

Assuming the following statements to be true, which of the conclusions given in the options is definitely true.

B $ D $ A

R % D % L @ J

A. A % L ✓

B. J % D

C. B # L

D. B $ J

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q69** General Intelligence and Reasoning

Identify which conclusion(s) is/are true based on the given statement.

**Statement:**

$Q \leq R = S > T < U \geq V$

**Conclusions:**

I. $V < T$

II. $S < Q$

A. Only II is true

B. Neither I nor II is true ✓

C. Only I is true

D. Both I and II are true

**Q70** General Intelligence and Reasoning

The loan disbursement at ABC bank in the last 5 years is as shown in the table.

| Sr. No. | Year | Rupees (in Cr.) |
|---|---|---|
| 1 | 2016 | 75 |
| 2 | 2017 | 85 |
| 3 | 2018 | 125 |
| 4 | 2019 | 145 |
| 5 | 2020 | 190 |

Which year has the maximum percentage growth in the loan disbursement over the previous year?

A. 2019

B. 2018 ✓

C. 2020

D. 2017

Blackbook

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q71** General Awareness

As per the Forest Survey Report 2021, the state of _____ has the highest forest cover as a percentage of total geographical area.

A. Manipur
B. Mizoram ✓
C. Nagaland
D. Arunachal

**Q72** General Awareness

As per the India State of Forest Report (ISFR) 2021, which of the following is the state with the least forest cover with respect to the total geographical area in India?

A. Rajasthan
B. Sikkim
C. Haryana ✓
D. Telangana

**Q73** General Awareness

_____ is the sanctum sanctorum, the innermost sanctuary of Hindu and Jain temples where resides the murti (idol) of the primary deity of the temple.

A. Vimana
B. Mandapa
C. Shikhara
D. Garbhagriha ✓

**Q74** General Awareness

The 'Vyas Samman', a literary award was first awarded in the year ____.

A. 1989
B. 1999
C. 1990
D. 1991 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q75** General Awareness

Under which project has the Government of India issued a tender of ₹50,000 crore to build six conventional diesel-electric submarines in July 2021?

A. Project-65 India

B. Project-75 India ✓

C. Project-55 India

D. Project-85 India

**Q76** General Awareness

In November 2021, an overall cost of ₹ _____ was approved for the continuation of the umbrella scheme 'Ocean Services, Modelling, Application, Resources and Technology (O-SMART)' for the period 2021-26.

A. ₹2,177 crores ✓

B. ₹1,177 crores

C. ₹3,177 crores

D. ₹4,177 crores

**Q77** General Awareness

The 'Gyana Panchami' is celebrated by the Jains on the _____ day of Kartika.

A. ninth

B. third

C. fifth ✓

D. first

**Q78** General Awareness

Which of the following states holds the largest reserves of manganese in India, according to Indian Bureau of Mines Indian Minerals Yearbook 2019?

A. Odisha ✓

B. Jharkhand

C. Karnataka

D. Maharashtra

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q79** General Awareness

The Trans-Siberian Railway is a project of which of the following countries?

A. Sweden

B. Norway

C. China

D. Russia ✓

**Q80** General Awareness

The Commercial Paper (CP) to be used by corporate houses in India was introduced in the year _____.

A. 1980

B. 1950

C. 1965

D. 1990 ✓

**Q81** General Awareness

In March 2021, veteran playback singer Asha Bhosle received which of the following awards?

A. Maharashtra Bhushan Award ✓

B. Yash Chopra Memorial Award

C. Deenanath Mangeshkar Award

D. Banga Bhushan Award

**Q82** General Awareness

Which of the following keyboard shortcuts is used to perform UNDO operation in MS-Word?

A. Ctrl + Z ✓

B. Alt + U

C. Ctrl + U

D. Alt + Z

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q83** General Awareness

Sinhala is a major language in which of the following countries?

A. Indonesia

B. Myanmar

C. Malaysia

D. Sri Lanka ✓

**Q84** General Awareness

An 'All- Bengal Civil Disobedience Council' was formed in Bengal by _____.

A. Mahatma Gandhi

B. Sardar Vallabhbhai Patel

C. Jawaharlal Nehru

D. J.M. Sengupta ✓

**Q85** General Awareness

The pH of Saliva of a Healthy Human mostly ranges from:

A. 5.2 to 6.1

B. 7.7 to 9.2

C. 6.2 to 7.6 ✓

D. 4.1 to 5.2

**Q86** General Awareness

_____ pointed out that 'the benefits of economic development must accrue more and more to the relatively less privileged classes of society'.

A. The Fourth Five-Year Plan

B. The Second Five-Year Plan ✓

C. The Third Five-Year Plan

D. The Fifth Five-Year Plan

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q87** General Awareness

Which of the following statements is incorrect regarding the condition of agriculture at the time of independence?

A. Indian farmers were encouraged to produce cash crops

B. The land tenure system was characterised by intermediaries.

C. Low productivity of the agricultural sector

D. Zamindars helped in improving the condition of farmers. ✓

**Q88** General Awareness

Which of the following is a non-perennial river?

A. Ganges

B. Indus

C. Krishna ✓

D. Brahmaputra

**Q89** General Awareness

The presence of which of the following soils in the hilly areas of South India makes the region suitable for tea and coffee cultivation?

A. Arid soil

B. Black soil

C. Alluvial soil

D. Laterite soil ✓

**Q90** General Awareness

Krishnadeva Raya belonged to the _____ dynasty.

A. Tuluva ✓

B. Sangama

C. Gajapati

D. Saluva

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q91** General Awareness

Sangeet Ratnakar, the earliest known treatise on music was composed by _____.

A. Tansen
B. Amir Khusru
C. Muhammad Shah
D. Sharangdev ✓

**Q92** General Awareness

Which of the following places is known for its hot springs?

A. Jaisalmer
B. Coorg
C. Gaurikund ✓
D. Mawsynram

**Q93** General Awareness

As per a study published in Acta Astronautica in September 2021, with which institute did ISRO develop an instrument to conduct microbial experiments in outer space?

A. Tata Institute of Fundamental Research (TIFR)
B. Homi Bhabha National Institute (HBNI)
C. Indian Institute of Science (IISc) ✓
D. Indian Institute of Technology Bombay (IIT Bombay)

**Q94** General Awareness

On 3 August 2021, who obliterated his/her own world record in the Tokyo 2020 Summer Olympic 400-meter hurdles?

A. Rai Benjamin
B. Alison dos Santos
C. Karsten Warholm ✓
D. Melaine Walker

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q95** General Awareness

Who is authorised to alter the boundaries of any State in India?

A. State Legislatures

B. Prime Minister of India

C. Union Minister of Home

D. Parliament ✓

**Q96** General Awareness

Which team did India Legends beat in the final match of the Road Safety World Series 2021 **(cricket)** Series held in Raipur?

A. South Africa Legends

B. England Legends

C. Sri Lanka Legends ✓

D. West Indies Legends

**Q97** General Awareness

Separating cotton from the seeds by combing is called:

A. Thermoforming

B. Molding

C. Ginning ✓

D. Yarning

**Q98** General Awareness

Who was the grandfather of King Ashoka?

A. Vitashoka

B. Bindusara

C. Dashratha

D. Chandragupta Maurya ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q99** General Awareness

Nabakalebar is a ritual in which the wooden figures of Lord Jagannath, Balabhadra, Subhadra and Sudarshan are periodically renewed. Where is the Nabakalebar Rath Yatra held?

A. Puri ✓

B. Somnath

C. Mathura

D. Brindavan

**Q100** General Awareness

In which year was the Prarthana Samaj established at Bombay?

A. 1667

B. 1867 ✓

C. 1557

D. 1897

**Q101** General Awareness

The Mediterranean Sea is connected with the _____ through the Suez Canal.

A. Atlantic Ocean

B. Pacific Ocean

C. Red Sea ✓

D. Black Sea

**Q102** General Awareness

Which Indian-origin chemist won the 2020 Millennium Technology Prize along with Prof David Kleinerman in May 2021?

A. Shankar Balasubramanian ✓

B. Namrata Singh

C. CNR Rao

D. Sumita Mitra

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q103** General Awareness

In March 2021, the Ministry of Youth Affairs and Sports decided to extend which sports scheme from 2021-22 to 2025-26?

A. Sports and Games for Persons with Disabilities Scheme

B. Target Olympic Podium Scheme

C. Come and Play Scheme

D. Khelo India Scheme ✓

**Q104** General Awareness

Thimphu is the capital of which neighbouring country of India?

A. Bhutan ✓

B. Nepal

C. Myanmar

D. Bangladesh

**Q105** General Awareness

On 5th February 2022, who became the first Indian cricketer to take 5 wickets in the U19 World Cup final held against England in North Sound, Antigua?

A. Raj Angad Bawa ✓

B. Ravi Kumar

C. Nishant Sindhu

D. Vicky Ostwal

**Q106** General Awareness

Which of the following institutions has/have the power to issue a writ of 'Habeas corpus' as per the Constitution of India?

A. The High Court

B. Lower Courts

C. The Supreme Court and the High Court ✓

D. The Supreme Court

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q107** General Awareness

Which of the following rivers drains into the Bay of Bengal?

A. Tapi

B. Luni

C. Godavari ✓

D. Narmada

**Q108** General Awareness

Which of the following works as a buffer between CPU and main memory to prevent the processor from having to wait for a program and data from main memory?

A. Auxiliary memory

B. Optical memory

C. Tertiary memory

D. Cache memory ✓

**Q109** General Awareness

Which Article of the Indian Constitution deals with the special address by the President to the parliament?

A. 87 ✓

B. 81

C. 79

D. 85

**Q110** General Awareness

Where is the Kandariya Mahadeo temple located?

A. Orchha

B. Ujjain

C. Dewas

D. Khajuraho ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q111** General Awareness

Khamba-Thoibi is an important form of performing arts of ____.

A. Puducherry

B. Nagaland

C. Lakshadweep

D. Manipur ✓

**Q112** General Awareness

**Water has the highest density at nearly ____ Kelvin.**

A. 273

B. 0

C. 277 ✓

D. 227

**Q113** General Awareness

On Centre-State relations, a commission had been set up by the government of India named Sarkaria Commission, in the year:

A. 1981

B. 1983 ✓

C. 1984

D. 1980

**Q114** General Awareness

Which of the following Indian cities is famous for its oranges?

A. Varanasi

B. Chennai

C. Amritsar

D. Nagpur ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q115** General Awareness

In the Constitution of India, Part IV A deals with the:

A. Fundamental Rights

B. Fundamental Duties ✓

C. Directive Principles of State Policy

D. Citizenship

**Q116** General Awareness

Who among the following popularised the guitar as an instrument in Hindustani classical music?

A. Pandit Shivkumar Sharma

B. Ustad Ali Akbar Khan

C. Pandit Brij Bhushan Kabra ✓

D. Pandit Hariprasad Chaurasia

**Q117** General Awareness

What is the full form of MGNREGA, an Act that provides guaranteed wage employment to adult volunteers to do unskilled manual work for a minimum of 100 days?

A. Mahatma Gandhi National Rural Employees Grants Act

B. Mahatma Gandhi National Regional Employment Guarantee Act

C. Mahatma Gandhi National Rural Employment Guarantee Act ✓

D. Mahatma Gandhi National Rural Employment Grants Act

**Q118** General Awareness

The percentage change in demand for a good, divided by the percentage change in its price is known as _____.

A. perfect competition

B. price elasticity of supply

C. price elasticity of demand ✓

D. production function

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q119** General Awareness

Black soil, found in the Deccan Traps is considered highly suitable for the cultivation of _____ crops.

A. wheat

B. coffee

C. cotton ✓

D. tea

**Q120** General Awareness

The demand curve is elastic when _____ and it is inelastic when _____.

A. average revenue has a positive value; marginal revenue has a negative value

B. average revenue has a negative value; marginal revenue has a positive value

C. marginal revenue has a negative value; average revenue has a positive value

D. marginal revenue has a positive value; marginal revenue has a negative value ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Mathematics** 35 Questions • Answer Key

**Q1** Mathematics

Sheetal incurred 28% loss by selling an item for ₹207. What was the cost price of the item?

A. ₹292.50

B. ₹282.50

C. ₹277.50

D. ₹287.50 ✓

**Q2** Mathematics

Find the total surface area (in $m^2$) of a right circular cone whose radius of base is 70 cm and perpendicular height is 240 cm. [Use $\pi = \frac{22}{7}$]

A. 7.04 ✓

B. 70400

C. 0.704

D. 704

**Q3** Mathematics

For the classes 10-19, 20-29, 30-39, 40-49, 50-59, 60-69,70-79, 80-89 and 90-99 of a grouped data, which one of the following is the upper limit of the class interval 70-79

A. 69.5

B. 70

C. 79

D. 79.5 ✓

**Q4** Mathematics

A and B together can do a piece of work in 30 days. Together with C they can complete the same work in 24 days. In how many days can C alone complete the same work?

A. 120 ✓

B. 96

C. 90

D. 150

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q5** Mathematics

Simplify the following expression: $\frac{5.5^3-4^3}{30.25+22+16}$

A. 1.5 ✓

B. 14.25

C. 9.5

D. 0.75

**Q6** Mathematics

Which of the quadratic equations below will not have real roots?

A. $x^2+4x-5=0$

B. $x^2+4x+4=0$

C. $x^2+4x+5=0$ ✓

D. $x^2+4x-4=0$

**Q7** Mathematics

In measuring the sides of a rectangle error of 10% and 8% in excess are made. Find the error percent in its area.

A. 1.88

B. 188

C. 18.8 ✓

D. 0.188

**Q8** Mathematics

The ratio of the speeds of A and B is 4:5 and hence A takes 20minutes more than the time taken by B to reach the destination. If A had walked at double his speed, he would have covered the distance in :

A. 80min

B. 50min ✓

C. 100min

D. 40min

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q9** Mathematics

Five bells commence tolling together and toll at intervals of 3, 6, 12, 15 and 18 seconds respectively. They tolled at 9:58:45 hours then at which time they will again toll together?

A. 10:01:15

B. 10:01:45 ✓

C. 10:02:45

D. 10:00:15

**Q10** Mathematics

Consider a sequence of seven consecutive numbers. If the average of the first five numbers is 'z', then find the average of the last three numbers.

A. z+3 ✓

B. z+5

C. z+7

D. z+1

**Q11** Mathematics

A contractor undertakes to complete a work in 250 days. He employs 300 workers for 50 days and they complete $\frac{1}{2}$ of the work. He then reduces the number of workers to 100, who work for 120 days, after which there are 20 days of holidays. How many workers must be employed after holidays for the remaining period to complete the work on time?

A. 68

B. 74

C. 80

D. 50 ✓

**Q12** Mathematics

If each side of a square is increased by 50%, then what is the percentage change in its area?

A. 125% ✓

B. 110%

C. 75%

D. 90%

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q13** Mathematics

Find the value of k, if k% of 280 = 50% of 350

A. 60

B. 75

C. 62.5 ✓

D. 72.5

**Q14** Mathematics

Find the volume of a cylinder (in $cm^3$) if its area of the base is 1,386 $cm^2$ and its height is 30 cm.

A. 41850

B. 45810

C. 40815

D. 41580 ✓

**Q15** Mathematics

Which of the following fractions is the largest?

$\frac{7}{9}, \frac{6}{7}, \frac{22}{25}$, and $\frac{11}{13}$

A. $\frac{7}{9}$

B. $\frac{22}{25}$ ✓

C. $\frac{11}{13}$

D. $\frac{6}{7}$

**Q16** Mathematics

What is the compound interest (in ₹) on a sum of ₹31600 for $1\frac{1}{3}$ years at 9% p.a., when the interest is compounded 8-monthly? (Nearest to a ₹)

A. 3906 ✓

B. 3928

C. 3916

D. 3896

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q17** Mathematics

A person bought articles A and B for a total of ₹ 2312. He sold A at a loss of 16% and sold B at a gain of 20%. The selling prices of A and B were the same. What was the difference between the cost prices of A and B?

A. ₹ 416

B. ₹ 428

C. ₹ 420

D. ₹ 408 ✓

**Q18** Mathematics

If 13.5 kg of grapes cost ₹681.75, find the cost of 12 kg of grapes.

A. ₹610.00

B. ₹612.00

C. ₹606.00 ✓

D. ₹603.00

**Q19** Mathematics

If $x+\frac{1}{x}=4$, then find the value of the following:

$$\frac{4x^2+4}{9x^2+10x+9}$$

A. $\frac{8}{22}$

B. 1

C. $\frac{4}{9}$

D. $\frac{8}{23}$ ✓

**Q20** Mathematics

Akshita covers a distance of 300 km at the speed of 50km/h, then 360km at 30km/h and another 420km at 60km/h. If her average speed for the whole journey is k km/h, then how much time (in hours) will she take to cover 216 km at k km/h?

A. 6 hours

B. 7 hours

C. 4 hours

D. 5 hours ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q21** Mathematics

ABCD is a cyclic quadrilateral whose side AB is a diameter of the circle through A, B, C and D. If ∠ADC = 129°, then what is the measure of ∠BAC?

A. $51°$

B. $49°$

C. $39°$ ✓

D. $41°$

**Q22** Mathematics

Simplify the following:

$$\frac{10-\left[\frac{3}{4}+\left\{4\frac{1}{2}-\left(\frac{1}{4}+\frac{1}{84}\right)\right\}\right]}{4}=?$$

A. $2\frac{85}{336}$

B. $4\frac{85}{336}$

C. $3\frac{85}{336}$

D. $1\frac{85}{336}$ ✓

**Q23** Mathematics

A part of ₹55,800 was invested in Scheme A for 2 years at 20% per annum compound interest, compounded annually, and the rest of the money was invested in Scheme B at 20% per annum simple interest for 4 years. Both the schemes earned equal interests. How much was invested in Scheme A?

A. ₹40100

B. ₹28300

C. ₹36000 ✓

D. ₹32400

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q24** Mathematics

The area of a trapezium is 1792 cm² and the perpendicular distance between its parallel sides is 28 cm. If the length of one of the parallel sides is 72 cm, then find the length of the other side.

A. 64 cm

B. 48 cm

C. 84 cm

D. 56 cm ✓

**Q25** Mathematics

Simplify the following expression:

$$\frac{\frac{17}{2} \div \frac{15}{2} \times \frac{13}{2}}{\frac{17}{2} \div \left(\frac{15}{2} \times \frac{13}{2}\right)} \div \frac{169}{30}$$

A. 7

B. $7\frac{1}{2}$ ✓

C. 6

D. $6\frac{1}{2}$

**Q26** Mathematics

If $cosec\,\theta \times tan\,\theta = \frac{2}{\sqrt{3}}$, and $\theta$ is an acute angle, then find the value of $\theta$.

A. 45°

B. 30° ✓

C. 60°

D. 90°

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q27** Mathematics

Find the mode of the following data.

15, 26, 15, 29, 19, 18, 19, 15, 24, 23, 15, 19

A. 15 ✓

B. 19

C. 26

D. 29

**Q28** Mathematics

If each packet contains the same number of pencils and there are 96 pencils in all in 12 packets, how many packets will one have to purchase if one requires 304 pencils?

A. 33

B. 36

C. 38 ✓

D. 39

**Q29** Mathematics

A 360 m train crosses an electric pole in 12 seconds. Find the time (in seconds) taken by the train to cross a 150 m long bridge.

A. 17 ✓

B. 24

C. 21

D. 18

**Q30** Mathematics

Two poles are on either side of a road. A 20m long ladder is placed between the two poles. When the ladder rests against one pole, it makes an angle of $60^0$ with the pole and when it is turned to rest against the other pole, it makes an angle of 30° with the road. Calculate the width of the road. (in m) (Use $\sqrt{3}=1.732$)

A. 3.464

B. 34.64 ✓

C. 0.3264

D. 32.64

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q31** Mathematics

Find the simple interest on ₹48750 at 16% per annum for 73 days of a non-leap year.

A. ₹1560 ✓

B. ₹1500

C. ₹1860

D. ₹1600

**Q32** Mathematics

The number of students in grades 10, 11 and 12 of a school are 384, 256 and 480 respectively. All students were divided into different groups, with no group having students from more than one grade. What is the minimum number of groups that would be formed if all the groups have the same number of students?

A. 30

B. 36

C. 35 ✓

D. 32

**Q33** Mathematics

Which of the numbers below is not divisible by 15?

A. 234675

B. 123465

C. 384575 ✓

D. 234570

**Q34** Mathematics

The length of a diagonal of a square is 18 cm. What is the perimeter of the square?

A. $36\sqrt{2}$ cm ✓

B. $72\sqrt{2}$ cm

C. 36 cm

D. 72 cm

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q35** Mathematics

There are 12 numbers arranged in ascending order. If the mean of the last 11 numbers is 9 and the mean of all the 12 numbers is 11, then find the value of the second number, which is $66\frac{2}{3}$ % more than the first number.

A. 53

B. 54

C. 55 ✓

D. 56

## General Intelligence and Reasoning

35 Questions • Answer Key

**Q36** General Intelligence and Reasoning

In a certain code language,
'find my car' is coded as 'mi co kh',
'black vintage car' is coded as 'co ne ve',
'find black house' is coded as 'ne kh sa'.
(Note: All codes are two letter codes only)

What could be the code for 'my vintage house' in the given code language?

A. sa mi ve ✓

B. mi ne co

C. kh co sa

D. ve kh ne

**Q37** General Intelligence and Reasoning

How many such pairs of letters are there in the word HABITS (in both the forward and backward directions) which have as many letters between them in the word as there are in the English alphabetical order?

A. One

B. Four

C. Two ✓

D. Three

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q38** General Intelligence and Reasoning

Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CEGI, EDIH, GCKG, IBMF, ?

A. MZQD

B. OYSC

C. QXUB

D. KAOE ✓

**Q39** General Intelligence and Reasoning

Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

D2E#F, G#H3I, J4K#L, ?, P6Q#R, S#T7U

A. M#N5O ✓

B. M6A#T

C. M#O7N

D. M3N#P

**Q40** General Intelligence and Reasoning

Six friends Amit, Vinay, Rajiv, Mukul, Chetan and David are living on six different floors of the same building. The lowermost floor of the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. No two friends live on the same floor. Vinay lives on the floor immediately above the floor on which Rajiv lives. Mukul lives on floor number 4. Amit lives on an even numbered floor. Chetan lives on floor number 1. Vinay does not live on floor number 6.

On which floor number does David live?

A. 5 ✓

B. 2

C. 3

D. 6

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q41** General Intelligence and Reasoning

Select the number from among the given options that can replace the question mark (?) in the following series.

1, 1, 2, 2, 5, 4, 26, 8, 677, ?

A. 16 ✓

B. 64

C. 342

D. 475

**Q42** General Intelligence and Reasoning

In a certain code language, 'MAIDEN' is written as 'ADEIMN', and 'SILVER' is written as 'EILRSV'. How will 'MAGNET' be written in that language?

A. AGENMT

B. ENGATM

C. AEGMNT ✓

D. EAGNMT

**Q43** General Intelligence and Reasoning

Six people A, B, C, D, E and F are sitting around a circular table facing the centre. C sits second to the right of D. A is an immediate neighbour of C. Only two people sit between F and A. B sits to the immediate right of F. Who sits third to the left of E?

A. F

B. A

C. D ✓

D. C

**Q44** General Intelligence and Reasoning

Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

OSU : LQT :: IKL : FIK :: ? : JTB

A. MWC

B. MVC ✓

C. NVD

D. NUD

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q45** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

Some mangoes are oranges.

All oranges are grapes.

**Conclusions:**

I. All grapes are oranges.

II. All mangoes are grapes.

A. Only conclusion II follows

B. Only conclusion I follows

C. Both conclusions I and II follow

D. Neither conclusion I nor II follows ✓

**Q46** General Intelligence and Reasoning

Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

KSQ : OWU :: FIJ : JMN :: TPV : ?

A. XTZ ✓

B. XYZ

C. ZSY

D. XRX

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q47** General Intelligence and Reasoning

In a certain code language,

'find my book' is coded as 'tu en li',

'my new house' is coded as 'ab uv tu',

'book house tomorrow' is coded as 'li mo ab'.

(Note: All codes are two letter codes only)

What is the probable code for 'new tomorrow' in the given code language?

A. mo uv ✓

B. ab li

C. en tu

D. uv ab

**Q48** General Intelligence and Reasoning

Rewa runs 40 m towards East to reach a stadium. She then turns right and runs 20 m. Then, she turns right and runs another 18 m to reach a music store. Again, she turns right and runs 10 m. After this, she turns left and runs 24 m, and finally she turns right and runs 12 m. In which direction is Rewa facing now? (All turns are $90^{O}$ turns only)

A. East

B. North ✓

C. West

D. South

**Q49** General Intelligence and Reasoning

If '<' means '−', '>' means '+', and 'S' means '÷', then what would be the value of the following expression?

37 > 165 $ 3 < 5

A. 63

B. 72

C. 95

D. 87 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q50** General Intelligence and Reasoning

Read the given statement and courses of action carefully. Assuming that the information given in the statement is true, decide which of these can be a possible Course of Action to improve the sales of Company X to atleast some extent.

**Statement:**

The sales of a specific product sold by company X has decreased in recent times, much to the company's concern.

**Courses of Action:**

I: The company should conduct a proper study of other competitive products in the market.

II: The price of the product should be decreased, while maintaining a desirable quality.

A. Only II can be a possible course of action

B. Only I can be a possible course of action

C. Neither I nor II can be a possible course of action

D. Both I and II can be possible courses of action ✓

**Q51** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

In an office, four colleagues Lewis, Alex, Philip and Siri are sitting around a square table, and each of them are seated at different corners facing the centre of the table. Lewis is sitting to the immediate right of Alex. Philip is sitting to the immediate left of Siri.

Which of the following pairs is sitting diagonally opposite each other?

A. Alex-Siri

B. Lewis-Philip

C. Lewis-Alex

D. Philip-Alex ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q52** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pigeons are doves.
All doves are mynas.

Conclusions:
I. All mynas are pigeons.
II. All pigeons are mynas.

A. Neither conclusion I nor II follows.

B. Only conclusion II follows. ✓

C. Only conclusion I follows.

D. Both conclusions I and II follow.

**Q53** General Intelligence and Reasoning

Six girls, Harshita, Priyanka, Kusum, Ragini, Sangita and Tiya, each has a different age. Only three girls are older than Harshita. Only four girls are younger than Sangita. Priyanka is younger than Sangita and older than Harshita. Tiya is the youngest among all. Kusum is not the oldest among all.

Who amongst the following is NOT older than Harshita?

A. Priyanka

B. Kusum ✓

C. Sangita

D. Ragini

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q54** General Intelligence and Reasoning

Read the given statement and conclusions carefully. Decide which of the given conclusions logically follow(s) from the statement.

**Statement:**

$Q > P \geq I > J = M \leq L < E$

**Conclusions:**

(I) $J < E$

(II) $Q > M$

A. Neither conclusion I nor II follows

B. Both conclusions follow ✓

C. Only conclusion II follows

D. Only conclusion I follows

**Q55** General Intelligence and Reasoning

Identify the alphanumeric-cluster that does NOT belong to the following series.

NG3, PJ6, RM9, TQ12, VS15

A. TQ12 ✓

B. VS15

C. PJ6

D. RM9

**Q56** General Intelligence and Reasoning

In each of the given number-clusters, the number on the right side of = (the equal to sign) is calculated by performing certain mathematical operations on the two numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

6, 8 = 12

9, 8 = 18

6, 10 = ?

A. 16

B. 15 ✓

C. 18

D. 17

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q57** General Intelligence and Reasoning

If 3rd February 2015 was a Tuesday, what was the day of the week on 6th June 2015?

A. Monday

B. Tuesday

C. Saturday ✓

D. Friday

**Q58** General Intelligence and Reasoning

Five boys Anand, Balu, Charan, Dinesh and Tom are sitting on a staircase in a way such that Anand is sitting exactly below Tom, who is sitting exactly below Balu. Charan is sitting exactly between Anand and Dinesh. Who is sitting exactly between Tom and Charan on the staircase?

A. Cannot be determined

B. Anand ✓

C. Dinesh

D. Balu

**Q59** General Intelligence and Reasoning

If 19th July 2019 was a Friday, what was the day on 21st September 2019?

A. Saturday ✓

B. Tuesday

C. Wednesday

D. Thursday

**Q60** General Intelligence and Reasoning

In a certain code language, 'PAINT' is coded as '70', and 'POLISH' is coded as '89'. How will 'CLEAN' be coded in that language?

A. 35

B. 45 ✓

C. 95

D. 40

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q61** General Intelligence and Reasoning

In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

A. 343 : 1000

B. 64 : 1331 ✓

C. 216 : 729

D. 125 : 512

**Q62** General Intelligence and Reasoning

Six friends A, B, C, D, E and F are sitting on a bench facing north. A is sitting second to the right of C, who is an immediate neighbour of D. E is sitting to the immediate left of A. F is an immediate neighbour of both just D and B. If B is sitting at one extreme end of the bench, then who among the following is sitting at the other extreme end?

A. C

B. A ✓

C. D

D. E

**Q63** General Intelligence and Reasoning

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

25 * 15 * 5 * 4 * 16 * 21

A. $-, +, \div, \times, =$

B. $+, \times, -, =, \div$

C. $\div, \times, +, -, =$

D. $+, \div, \times, -, =$ ✓

**Q64** General Intelligence and Reasoning

Six employees S, T, U, V, W, X are sitting around a circular table for a meeting, facing the centre. T is an immediate neighbour of both X and U. S is an immediate neighbour of both W and V. X is to the immediate left of V. Who is an immediate neighbour of both S and X?

A. U

B. T

C. V ✓

D. W

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q65** General Intelligence and Reasoning

Eight people F, G, N, O, S, T, Y and Z are sitting in a straight line. All of them are facing the North.
F sits second from one of the extreme ends of the line. Only three people sit between F and G. N sits second to the right of G. As many people sit to the right of N as to the left of O. Only two people sit between O and S. Y sits at one of the positions to the left of S. T sits at one of the positions to the right of Z.
How many people sit to the left of Z?

A. Four ✓
B. Three
C. None
D. Two

**Q66** General Intelligence and Reasoning

B's mother R has only one daughter. A is the only son of R. How is B related to A?

A. Brother
B. Mother's sister
C. Sister ✓
D. Father

**Q67** General Intelligence and Reasoning

According to the directions given by the coach, Jhulan walks 7 metres to the south-east from point X. Then Jhulan walks 14 metres to the west. She then walks 7 metres to the north-west. Finally, Jhulan walks 4 metres to the east and reaches point Y. What is the shortest distance between X and Y?

A. 18 metres
B. 10 metres ✓
C. 19 metres
D. 7 metres

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q68** General Intelligence and Reasoning

A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

**Question:**

What is Preetee's age?

**Statements:**

I. Preetee is 10 years younger to her sister Arpita.

II. Arpita is 25 years younger to her mother and 30 years younger to her father.

A. Both statements I and II together are sufficient

B. Statements I and II together are not sufficient ✓

C. Statement I alone is sufficient, while statement II alone is not sufficient

D. Statement II alone is sufficient, while statement I alone is not sufficient

**Q69** General Intelligence and Reasoning

Five people C, D, X, Y and Z each scored different marks in the same test. All scores are in whole numbers only. D scored the second lowest and D's score was 40. X scored more than D but less than the one who scored 45. 45 was not the highest score. C's score is an even number. C did not score the least. Y scored 6 marks less than Z. Which of the following can be a possible score of C?

A. 38

B. 42

C. 46 ✓

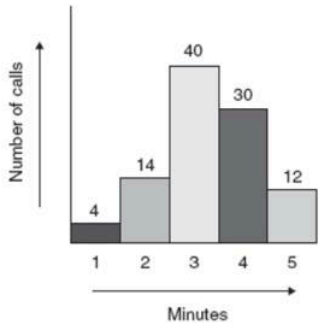
D. 44

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q70** General Intelligence and Reasoning

The following chart shows the number of telephone conversations at a Call Centre for various call durations on a particular day.




How many minutes of telephone conversations took place on that day?

A. 98

B. 332 ✓

C. 547

D. 100

## General Awareness

50 Questions • Answer Key

**Q71** General Awareness

Which of the following keyboard shortcuts is used to display and hide the desktop in Windows 10?

A. Windows logo key + D ✓

B. Ctrl + D

C. Windows logo key + H

D. Ctrl + H

**Q72** General Awareness

Who among the following elects the Vice President of India?

A. The elected members of the Parliament

B. Members of both houses of parliament ✓

C. The members of the Parliament and State Legislatures

D. The members of the Rajya Sabha

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q73** General Awareness

During the Indus Valley Period, from where were the shells procured for craft production?

A. Shortughai

B. Ropar

C. Jaipur

D. Nageshwar ✓

**Q74** General Awareness

Which of the following programs launched by the Raksha Mantri Shri Rajnath Singh in August 2021 is called by him as 'a reflection of the government's resolve to create a self-reliant defence sector'?

A. DISC 2.0

B. DISC 5.0 ✓

C. DISC 3.5

D. DISC 2.5

**Q75** General Awareness

The _____ river is known as river Jamuna in its lower course, after it enters Bangladesh.

A. Brahmaputra ✓

B. Yamuna

C. Ganga

D. Hooghly

**Q76** General Awareness

Pandit Birju Maharaj was associated with which of the following dance forms?

A. Kathak ✓

B. Bharatanatyam

C. Kathakali

D. Charkula

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q77** General Awareness

Who bagged the gold medal in the 73 kg category at the 2021 World Cadet Wrestling Championship held in Budapest, Hungary?

A. Vinesh Phogat

B. Priya Malik ✓

C. Babita Kumari

D. Sakshi Malik

**Q78** General Awareness

Which of the following is NOT a parameter used to calculate Human Development Index?

A. Life expectancy

B. Environment around living area ✓

C. Expected years of schooling

D. Gross National Income per capita

**Q79** General Awareness

Of the options listed below, which is the smallest country by population?

A. Vatican City ✓

B. Honduras

C. East Timor

D. Cuba

**Q80** General Awareness

The Securities and Exchange Board of India functions to monitor and regulate the _____.

A. Indian capital market operations ✓

B. foreign exchange only

C. private sector industries

D. public health sector

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q81** General Awareness

Who took charge as the new vice chief of the Indian Army on 1st February 2022?

A. Lt Gen Manoj Pande ✓

B. Lt Gen Satinder Kumar Saini

C. Lt Gen Sarath Chand

D. Lt Gen Chandi Prasad Mohanty

**Q82** General Awareness

During the period of the uprising of 1857, Shah Mal who rebelled at Barout in Uttar Pradesh was killed in the battle in _____.

A. May 1858

B. June 1858

C. September 1857

D. July 1857 ✓

**Q83** General Awareness

Laurel Hubbard representing _____ became the first-ever transgender athlete to take part in the Tokyo 2020 Olympics under the women's 87+ kg weightlifting category.

A. the United States

B. China

C. Australia

D. New Zealand ✓

**Q84** General Awareness

Which of the following is the lowermost layer of the earth's atmosphere?

A. Mesosphere

B. Stratosphere

C. Troposphere ✓

D. Thermosphere

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q85** General Awareness

The Gadgil formula which is named after social scientist and the first critic of Indian planning was approved in _____for determining the allocation of central assistance for state plans in India.

A. 1970

B. 1969 ✓

C. 1966

D. 1967

**Q86** General Awareness

In India, the Chief Election Commissioner is appointed by the:

A. Prime Minister of India

B. President of India ✓

C. Chief Justice of India

D. Lok Sabha speaker

**Q87** General Awareness

_____ is a strait between the Tamil Nadu state of India and the Jaffna District of the Northern Province of the island nation of Sri Lanka.

A. Bering Strait

B. Strait of Hormuz

C. Strait of Malacca

D. Palk Strait ✓

**Q88** General Awareness

In 2009-10, the poverty line was defined for rural areas as consumption worth ₹673 per person _____ and for urban areas it was ₹860.

A. half-yearly

B. monthly ✓

C. yearly

D. quarterly

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q89** General Awareness

On 8 July 2021, the Ministry of Defence implemented a web-based integrated system for sanction and disbursement of defence pension. What is the name of that system?

A. NIRYATAK

B. SPARSH ✓

C. SUVIDHA

D. ADARSH

**Q90** General Awareness

Who among the following is NOT an exponent of Carnatic music?

A. M.S.Subbulakshmi

B. Priya Sisters

C. Bombay Jayashri

D. Kishori Amonkar ✓

**Q91** General Awareness

Which Article of the Indian Constitution is related with the audit of the accounts of Panchayats?

A. 243K

B. 243J ✓

C. 243B

D. 243C

**Q92** General Awareness

With which of the following countries does India share its longest land border?

A. Bhutan

B. Myanmar

C. Bangladesh ✓

D. Pakistan

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q93** General Awareness

When a proportional increase in all input results in an increase in output by a larger proportion, the production function is said to display _____.

A. doubling returns to scale

B. decreasing returns to scale

C. increasing returns to scale ✓

D. constant returns to scale

**Q94** General Awareness

A person can acquire Indian citizenship by naturalisation if the person is ordinarily a resident of India for _____ years.

A. 12 ✓

B. 9

C. 15

D. 5

**Q95** General Awareness

The Golden Quadrilateral is a _____ transport network aimed at facilitating faster movement of goods and people in India.

A. road ✓

B. railway

C. waterway

D. airway

**Q96** General Awareness

The first ever detailed commentary of the Bhagwad Gita in Marathi was done by _____.

A. Eknath

B. Tukaram

C. Dnyaneshwar ✓

D. Ramdas

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q97** General Awareness

Which of the following is a unit of acceleration?

A. m/s/s ✓

B. ft/s

C. m/s

D. sqm/s

**Q98** General Awareness

How many beats are there in the Hindustani classical taal named Dadra Taal?

A. 9

B. 6 ✓

C. 12

D. 3

**Q99** General Awareness

The Khajuraho dance festival was instituted by the Government of India in collaboration with the Madhya Pradesh Kala Parishad in the year ____.

A. 1995

B. 2015

C. 2005

D. 1975 ✓

**Q100** General Awareness

Which popular folk dance of Himachal Pradesh has a Yagya performed by the dancers at the end of the dance performance as a homage to the Gods and Goddesses?

A. Jawara

B. Bihu

C. Kalbelia

D. Nati ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q101** General Awareness

Cyanocobalamin is a man-made form of _____ vitamin.

A. B1

B. B2

C. B6

D. B12 ✓

**Q102** General Awareness

Who received the 30th Saraswati Samman by the KK Birla Foundation in March 2021?

A. Vasdev Mohi

B. Padma Sachdev

C. Sharankumar Limbale ✓

D. K Siva Reddy

**Q103** General Awareness

Where is the famous Bermuda triangle located?

A. Caspian Sea

B. South China sea

C. Black Sea

D. Atlantic Ocean ✓

**Q104** General Awareness

For which sport did Bhavinaben Patel win a silver medal at the 2020 Tokyo Paralympic Games in August 2021?

A. Wheelchair Rugby

B. Swimming

C. Shooting

D. Table Tennis ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q105** General Awareness

What does 'S' stand for, in the grouping of BRICS nations?

A. Sweden

B. Sudan

C. South Africa ✓

D. Singapore

**Q106** General Awareness

The curve that shows the levels of output that a profit maximising firm would choose to produce at different values of the market price is called the firm's _____.

A. demand curve

B. performance curve

C. variable curve

D. supply curve ✓

**Q107** General Awareness

On 13 July 2021, the *Badminton World* Federation (BWF) officially allocated which country to host the BWF World Championships for 2026?

A. Spain

B. India ✓

C. Japan

D. Malaysia

**Q108** General Awareness

Which of the following is the correct full form of GDFCF?

A. Gross Development Funding Capital Formation

B. Gross Development on Fixed Capital Formation

C. Gross Domestic Fixed Capital Formation ✓

D. Gross Domestic Fixed Currency Formation

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q109** General Awareness

Each cell of a memory device is capable of storing one bit of information in the form of binary numbers. What does the term 'bit' mean?

A. Bidirectional digit

B. Binary divisor

C. Bidirectional divisor

D. Binary digit ✓

**Q110** General Awareness

Financial emergency can be declared under _____ of the Constitution of India.

A. Article 359

B. Article 360 ✓

C. Article 356

D. Article 352

**Q111** General Awareness

The construction of the _____ in Rajasthan is based on the theme of nine planets.

A. Raj Palace

B. Jawahar Kala Kendra ✓

C. Jain MM Emitra

D. Raj Bhavan Chikitsalaya

**Q112** General Awareness

The health component of Human Development Index is measured by the_____.

A. sex ratio

B. life expectancy at birth ✓

C. total number of births

D. total number of deaths

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q113** General Awareness

Who among the following was the first elected President of the Central Legislative Assembly in 1925?

A. Subash Chandra Bose

B. Bhagat Singh

C. Vithalbhai Patel ✓

D. Motilal Nehru

**Q114** General Awareness

_____ was appointed as the first Surveyor General of India in the year 1815.

A. Thomas Adams

B. Colin Mackenzie ✓

C. James Rennell

D. George Everest

**Q115** General Awareness

The East-West Corridor connects Silchar in Assam with _____ in Gujarat.

A. Porbandar ✓

B. Surat

C. Kandla

D. Ahmedabad

**Q116** General Awareness

Which of the following is an East flowing river?

A. Damodar ✓

B. Narmada

C. Tapi

D. Mandovi

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q117** General Awareness

Which of the following is commonly used in making solar cells?

A. ruthenium

B. Polonium

C. Silicon ✓

D. Selenium

**Q118** General Awareness

The Dead Sea, a highly saline water body is located in which of the following continents?

A. Africa

B. North America

C. Asia ✓

D. Europe

**Q119** General Awareness

Who among the following won the men's doubles final at the badminton tournament, the India Open, 2022?

A. B Sai Praneeth, Sameer Verma

B. Lakshya Sen, Srikanth Kidambi

C. Satwiksairaj Rankireddy, Chirag Shetty ✓

D. Prannoy Kumar, Subhankar Dey

**Q120** General Awareness

Who among the following is the author of the famous book 'Rihla' which provides extremely rich and interesting details about the social and cultural life of the Indian subcontinent in the fourteenth century?

A. Al-Biruni

B. Francois Bernier

C. Ibn Battuta ✓

D. Hiuen Tsang

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Mathematics** 35 Questions • Answer Key

**Q1** Mathematics

The diagonal of a rectangular plot is 37m and its area is 420 $m^2$ . What is the cost of fencing the plot at ₹37.50 per metre?

A. ₹3600

B. ₹3675

C. ₹3750

D. ₹3525 ✓

**Q2** Mathematics

Find the value of

$$\frac{32}{46} \times \frac{94}{576} \times \frac{184}{282}$$

A. $\frac{2}{3}$

B. $\frac{27}{2}$

C. $\frac{2}{9}$

D. $\frac{2}{27}$ ✓

**Q3** Mathematics

Let $0° < \theta < 90°$. Then $\frac{cot\theta - 1}{1 - tan\theta} \div \left(\frac{sin\theta}{1+cos\theta} + \frac{1+cos\theta}{sin\theta}\right)$ is equal to:

A. $\frac{cos\theta}{2}$ ✓

B. $sin\theta$

C. $cos\theta$

D. $\frac{sec\theta}{2}$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q4** Mathematics

Find the greatest possible number which on dividing 2307 and 3105 leaves remainders of 7 and 5 respectively.

A. 105

B. 102

C. 100 ✓

D. 110

**Q5** Mathematics

Pipes A and B can fill an empty tank completely in 42 minutes and 56 minutes respectively. Pipe C alone can empty the full tank in 84 minutes. All the three pipes are opened together for 8 minutes and then C is closed. In how much time (in minutes) will A and B together fill the remaining part of the tank?

A. $18\frac{2}{7}$ ✓

B. 18

C. $17\frac{1}{7}$

D. 16

**Q6** Mathematics

The straight line $kx - 3y = 6$ passes through the point (3, 2). What is the value of k?

A. 2

B. 4 ✓

C. 3

D. 6

**Q7** Mathematics

A train travelling at 72 km/h crosses a post in 12 seconds. What is the length of the train?

A. 225 m

B. 200 m

C. 240 m ✓

D. 180 m

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q8** Mathematics

$x$ and $y$ are in direct proportion and $y = 92.5$ when $x = 37$. What will be the value of $y$ when $x = 16$?

A. 32

B. 24

C. 48

D. 40 ✓

**Q9** Mathematics

The positive value of

$$\frac{1}{1+\sqrt{2}} + \frac{1}{\sqrt{2}+\sqrt{3}} + \frac{1}{\sqrt{3}+\sqrt{4}} + \cdots + \frac{1}{\sqrt{15}+\sqrt{16}} \text{ is}$$

A. 3 ✓

B. 2

C. 1

D. 4

**Q10** Mathematics

What will be the median of all the prime numbers between 20 and 62?

A. 38

B. 41

C. 42 ✓

D. 39

**Q11** Mathematics

What will be the interest on ₹6250 for 3 years if interest accrues at 12% simple interest per annum?

A. ₹2450

B. ₹2150

C. ₹2250 ✓

D. ₹2050

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q12** Mathematics

The circumference of the base of a right circular cylinder is 176 cm and its height is 12 cm. Find the total surface area (in $cm^2$) of the cylinder. (Use $\pi = \frac{22}{7}$)

A. 7064

B. 7640

C. 7040 ✓

D. 7460

**Q13** Mathematics

The area of a rhombus is 440 $cm^2$. If the length of one of its diagonals is 20 cm, then what is the length of its other diagonal?

A. 11 cm

B. 44 cm ✓

C. 88 cm

D. 22 cm

**Q14** Mathematics

A person invested some amount at the rate of 12% per annum simple interest and another amount at the rate of 10% per annum simple interest. He received yearly interest of ₹125 from both the investments. But if he had interchanged the amounts invested, he would have received ₹3 more as interest. How much did he invest at 10% per annum simple interest originally?

A. ₹500

B. ₹700

C. ₹600

D. ₹650 ✓

**Q15** Mathematics

If a positive integer n is divided by 7, then the remainder is 3. Which of the following numbers yields a remainder of 0 when it is divided by 7?

A. $n + 5$

B. $n + 4$ ✓

C. $n + 3$

D. $n + 2$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q16** Mathematics

The radius of a cylinder is $16\frac{2}{3}$ % more than the radius of a hemisphere. The height of the cylinder is 21 cm. Find the volume of the hemisphere if the volume of the cylinder is equal to the volume of another sphere having radius 7 cm. (Calculate to two decimal places; use $\pi = \frac{22}{7}$)

A. $136.09\ cm^3$

B. $133.04\ cm^3$

C. $132.08\ cm^3$

D. $134.10\ cm^3$ ✓

**Q17** Mathematics

A vendor sells 15 lemons for 3 rupees gaining 60%. How many did he buy for a rupee?

A. 9

B. 7

C. 10

D. 8 ✓

**Q18** Mathematics

What will be value of

$$\frac{1}{0.0001191}, if\ \frac{1}{11.91} = 0.083963$$

A. $10^6 \times 0.083963$

B. $10^4 \times 0.083963$

C. $10^5 \times 0.083963$ ✓

D. $10^7 \times 0.083963$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q19** Mathematics

The value of $\frac{(34.2\times6.84)\div(102.6\times0.00171)}{(12.5\times0.8)\div0.03}$ is

A. 0.004

B. 0.4

C. 4 ✓

D. 0.04

**Q20** Mathematics

What should come in place of p in the following equation.

43240 -30608= p × 160

A. 78.59

B. 78.95 ✓

C. 75.89

D. 79.85

**Q21** Mathematics

Find the circumference of a circle whose diameter is 30 cm long. [Use $\pi = 3.14$]

A. 141.3 cm

B. 47.1 cm

C. 94.2 cm ✓

D. 188.4 cm

Blackbook

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q22** Mathematics

Calculate the value of $\frac{\text{Range}}{\text{Median}}$ for the set of data given below:

134, 98, 194, 122, 108, 156

A. $\frac{48}{67}$

B. $\frac{48}{61}$

C. $\frac{8}{9}$

D. $\frac{3}{4}$ ✓

**Q23** Mathematics

If the radius and the height of a cylinder are 0.2m and 0.7m respectively, then find its curved surface area. [Use $\pi = \frac{22}{7}$]

A. $0.8\ m^2$

B. $0.88\ m^2$ ✓

C. $8.8\ m^2$

D. $88\ m^2$

**Q24** Mathematics

Excluding stoppages, the speed of a bus is 45 kmph and including stoppages, it is 27 kmph. For how many minutes does the bus stop per hour?

A. 20 mins

B. 36 mins

C. 40 mins

D. 24 mins ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q25** Mathematics

Two students appeared for an entrance examination. One of them secured 15 marks more than the other and his marks are 80% of the sum of their marks. What are the marks obtained by each of them?

A. 4 and 19

B. 8 and 23

C. 5 and 20 ✓

D. 6 and 21

**Q26** Mathematics

Simplify the following expression:

$$2\frac{1}{6} \times \{1\frac{19}{26} + \frac{15}{13} \times (\frac{5}{7} \div \frac{25}{14})\}$$

A. $4\frac{2}{3}$

B. $4\frac{4}{5}$

C. $4\frac{3}{4}$ ✓

D. $4\frac{5}{6}$

**Q27** Mathematics

Radhika can complete a work in 15 days and Rishi can complete the same work in 30 days. Radhika started the work alone and left after 2 days of work. Then Rishi continued the work. Find the time taken by Rishi to complete the remaining work.

A. 25 days

B. 24 days

C. 26 days ✓

D. 23 days

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q28** Mathematics

Simplify the following expression:

$10 - 18 \div 3 \times 3 + 27 \div 3^2$

A. $-11$

B. $2\frac{1}{9}$

C. $-5$ ✓

D. $11$

**Q29** Mathematics

Two equal circles, each having a radius of 24 cm, intersect each other, such that each passes through the centre of the other. The length of the common chord is _____ cm.

A. $36\sqrt{3}$

B. $36\sqrt{2}$

C. $30\sqrt{3}$

D. $24\sqrt{3}$ ✓

**Q30** Mathematics

If ₹5000 is invested for a period of three years at 20% compound interest per annum, compounded annually, what will be the amount received after 3 years?

A. ₹8680

B. ₹8000

C. ₹8480

D. ₹8640 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q31** Mathematics

Two trains start at the same time from two stations and proceed towards each other at 30 km/h and 35 km/h, respectively. When they meet, it is found that one train has covered 30 km more than the other. Find the distance between the two stations.

A. 390 km ✓

B. 410 km

C. 380 km

D. 400 km

**Q32** Mathematics

If the mean of 14, 6, 2a and 16 is 12, then find the value of a where $a > 0$.

A. 5

B. 8

C. 4

D. 6 ✓

**Q33** Mathematics

If 24% of a number is 39, then what is the number?

A. 161.5

B. 163.5

C. 160.5

D. 162.5 ✓

**Q34** Mathematics

12 skilled, 14 semi-killed and 10 unskilled workers complete a job for ₹13189. If their individual wages be in the ratio of 9:5:4, then the total money (in ₹) earned by 10 unskilled workers is:

A. 3240

B. 3420

C. 2420 ✓

D. 2240

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q35** Mathematics

If $1\frac{1}{4} \times (5\frac{3}{4} \div \frac{2}{7}\ of\ k) \div 2\frac{7}{8} - 3\frac{3}{4} = (17-4) \div 2$ of 2, then what is the value of $\frac{k+1}{k-1}$?

A. $\frac{11}{3}$

B. $\frac{5}{2}$

C. 7

D. 9 ✓

## General Intelligence and Reasoning

35 Questions • Answer Key

**Q36** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

Six persons Anshul, Manohar, Pardhu, Vikram, Vasu and Prerna are standing in a circle, facing the centre. Prerna is to the immediate right of Vikram. Manohar is an immediate neighbour of both Vikram and Pardhu. Anshul is an immediate neighbour of both Vasu and Pardhu.

Who stands to the immediate left of Anshul?

A. Vikram

B. Pardhu

C. Manohar

D. Vasu ✓

**Q37** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

In a family party, Amelia, Olivia, Isha, Emily, Poppy and Jessica are sitting in a row, all facing north. Both Poppy and Jessica have two persons sitting on one of their sides and three persons on the other side. Both Amelia and Olivia are sitting on one of the extreme ends each. Isha is sitting to the immediate left of Amelia. Who is sitting to the immediate right of Olivia?

A. Jessica

B. Poppy

C. Emily ✓

D. Amelia

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q38** General Intelligence and Reasoning

If it was Monday on 12$^{th}$ August in a particular year, then what will be the day on 26$^{th}$ September of the same year?

A. Friday

B. Wednesday

C. Tuesday

D. Thursday ✓

**Q39** General Intelligence and Reasoning

A question is given, followed by three statements labelled I, II and III. Identify which of the statements is/are sufficient to answer the question.

Question:

Who ranked first in the class?

Statements:

I. Sreeja ranked 2$^{nd}$.

II. Aman ranked one rank below Sreeja.

III. Rohit ranked better than Aman.

A. Statement II alone is sufficient, while Statement III alone is not sufficient.

B. Each statement I, II and III alone is sufficient.

C. All statements I, II and III together are sufficient. ✓

D. Statement I alone is sufficient, while Statement II alone is not sufficient.

**Q40** General Intelligence and Reasoning

The second alphanumeric-cluster is obtained by changing the first alphanumeric-cluster following a certain operation and logic. The same pattern is followed in three of the following four pairs. In which of the following pairs is the pattern NOT followed?

A. DL5 : HP25

B. HP7 : LT35

C. PJ3 : TN15

D. LR9 : PU55 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q41** General Intelligence and Reasoning

XYZ, a shipping corporation company, decided to recruit management trainees for one of its plants. The company laid down the following criteria for selecting candidates.

A. Should be a marine engineering graduate with a minimum of 65% marks.

B. Should have done an internship of at least 1 year with some shipping company.

C. Should not be less than 21 years of age and more than 29 years of age as on 1st July 2020.

D. Should have secured a minimum of 75% marks in the common entrance test.

Anirudh, who was born on 12th March 1993, is a marine engineer with 61% marks and has also done an internship for a period of 14 months with a renowned shipping company. He has been working as a supervisor in a company for the past 2 years. He has secured 80% marks in the common entrance test.

Based on the above data (you cannot assume anything else), decide whether Anirudh is eligible for the above post.

A. He should be rejected. ✓

B. He should be recruited but at a lower post.

C. He should be selected.

D. Data is insufficient to take a decision.

**Q42** General Intelligence and Reasoning

Among A, B, C, D, E and F, only one person likes the colour Black. Among them, only two study in class 12th, while the rest study in class 10th. Only C is in the same class as F. D likes the colour Pink. None of those studying in 12th like the colour Black. Neither A nor E likes the colour Black.

Who among them likes the colour Black?

A. B ✓

B. A

C. F

D. C

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q43** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No dog is a cat.

All cats are rats.

Conclusions:

I. No dog is a rat.

II. No rat is a dog.

III. Some rats are cats.

IV. All rats are cats.

A. Both conclusions I and II follow.

B. Only conclusion III follows. ✓

C. Only conclusion I follows.

D. Both conclusions I and IV follow.

**Q44** General Intelligence and Reasoning

Six persons J, K, L, M, N and O are sitting in a straight row all facing north but not necessarily in the same order. Only three persons are sitting to the left of M and only four persons are sitting to the right of L. N is sitting third to the right of J. O is not sitting at any of the extreme ends of the row.

Who is sitting at the extreme left end?

A. J

B. N

C. L

D. K ✓

**Q45** General Intelligence and Reasoning

A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Four of them are sitting at each of the corners, while the other four are sitting at the exact centre of each of the sides.
G sits at one of the corners of the table. E sits second to the left of G. F is not an immediate neighbour of E. Only three people sit between F and H. B sits to the immediate left of H. A sits third to the right of C. Who sits third to the right of D?

A. H

B. E ✓

C. B

D. G

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q46** General Intelligence and Reasoning

Martin starts walking from his house in east direction. He walks 10m takes a left and walks 12m. Next he takes a right turn and walks 3m. Then he turns left and walks 1m. He again turns left and walks 5m. Towards which direction is he moving now? (All turns are 90° turns only)

A. South

B. West ✓

C. North

D. East

**Q47** General Intelligence and Reasoning

M is 85 m south-west of F. If C is 85 m south-east of F, then C is in which direction with respect to M?

A. East ✓

B. West

C. South

D. North-East

**Q48** General Intelligence and Reasoning

Point A is 18 m to the east of Point B. Point B is 22 m to the north of Point C. Point D is 11 m to the west of Point C. Point E is 11 m to the south of point D. Point X is 29 m to the east of Point E.

What is the shortest distance between Point A and Point X?

A. 11 m

B. 33 m ✓

C. 10 m

D. 21 m

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q49** General Intelligence and Reasoning

Study the given information carefully and answer the question that follows.

In an interview at a college, eight people, including the Principal, are sitting in a square formation facing towards the centre. While four of them are seated at the corners, the remaining four are seated at the centre of each side of the square. Bahl is sitting diagonally opposite Nikon. Nikon is sitting to the immediate right of Eva. Pearson is an immediate neighbour of Eva. Pearson is diagonally opposite Charlie. Charlie is seated to the immediate left of the Principal. Philip is not sitting to the immediate right of Bahl. Only three people sit between Philip and Jakson.

Who sits second to the left of Eva?

A. Bahl

B. Philip

C. Jakson ✓

D. Charlie

**Q50** General Intelligence and Reasoning

Select the number from among the given options that can replace the question mark (?) in the following series.

6, 11, 19, 33, 59, 109, ?

A. 218

B. 229

C. 207 ✓

D. 205

**Q51** General Intelligence and Reasoning

Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

GCN : LHS :: OQU : TVZ :: ? : KRY

A. FMT ✓

B. DMQ

C. GNT

D. ENS

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q52** General Intelligence and Reasoning

Few people are sitting in a row facing north. R is sitting 3rd to the left of U. Only two persons are sitting between R and T. Only one person sits between Q and U. Only one person sits to the right of U. Only V sits to the left of T. How many people are sitting in the row?

A. 10

B. 9 ✓

C. 11

D. 7

**Q53** General Intelligence and Reasoning

Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$895.98 + 185.01 + 851.86 + 524.09 = ?$

A. 2460 ✓

B. 2010

C. 3540

D. 1490

**Q54** General Intelligence and Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**
Some bags are notebooks.
All notebooks are laptops.

**Conclusions:**
I. Some bags are laptops.
II. All laptops are notebooks.

A. Only conclusion II follows

B. Only conclusion I follows ✓

C. Both conclusions I and II follow

D. Neither conclusion I nor II follows

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q55** General Intelligence and Reasoning

Study the given arrangement of letters, symbols and numbers, and answer the question that follows.

(Left) G 6 & S 4 Y 8 9 # @ W H 5 % 6 & K 9 @ R 9 4 T & % # U Y 8 S # Q Y 8 4 S (Right)

Which of the following is ninth to the right of the fourteenth from the right end of the given arrangement?

A. T

B. #

C. Q ✓

D. Y

**Q56** General Intelligence and Reasoning

In a certain code language, 'LEAF' is written as 'OGDH', and 'TREE' is written as 'WTHG'. How will 'STEM' be written in that language?

A. UVHO

B. UVGH

C. VUHN

D. VVHO ✓

**Q57** General Intelligence and Reasoning

There are six friends A, B, C, D, E, and F. F ranked higher than B and C. D ranked higher than C and E. F ranked lower than E. A ranked higher than F but ranked lower than E. Who among them ranked the highest?

A. D ✓

B. A

C. B

D. C

**Q58** General Intelligence and Reasoning

Neha is the mother of Vipul. Rajat is Neha's brother. Prabhakar is the father of Rajat. How is Prabhakar related to Vipul?

A. Mother's brother

B. Father's brother

C. Mother's father ✓

D. Father's father

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q59** General Intelligence and Reasoning

Consider the given statement and decide which of the given expectations is/are implicit in the statement.

**Statement:**

A customer can avail banking services at his/her doorstep.

**Expectations:**

I. This will create problems for the bank.

II. Customers would be very happy with the service.

A. Only expectation II is implicit. ✓

B. Neither expectation I nor expectation II is implicit.

C. Only expectation I is implicit.

D. Both expectations I and II are implicit.

**Q60** General Intelligence and Reasoning

Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

24.99% of 799.897 + 29.989% of 120.010 = 190 + 22.998% of ?

A. 180

B. 220

C. 150

D. 200 ✓

**Q61** General Intelligence and Reasoning

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

19 * 5 * 4 * 2 * 4 * 13

A. $-, \times, \div, +, =$ ✓

B. $+, \times, -, =, \div$

C. $\div, +, -, \times, =$

D. $\div, \times, +, -, =$

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q62** General Intelligence and Reasoning

Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

HR12 : MY36 :: EJ14 : JQ42 :: PB17 : ?

A. VF34

B. UF32

C. UI51 ✓

D. VE36

**Q63** General Intelligence and Reasoning

In each of the given number-clusters, the number on the right side of = (the equal to sign) is calculated by performing certain mathematical operations on the four numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number- cluster.

12, 4, 37, 25 = 4

2, 36, 87, 51 = 2

18, 3, 58, 49 = ?

A. 8

B. 7

C. 6 ✓

D. 5

**Q64** General Intelligence and Reasoning

In a certain code,

'red fancy light' is written as TK MD BH,

'tomatoes are red' is written as MD NG LS.

Which of the following is the code for 'red'?

A. BH

B. NG

C. MD ✓

D. TK

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q65** General Intelligence and Reasoning

Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CEM, GIP, KMS, OQV, ?

A. RTY

B. RTX

C. SUY ✓

D. SUZ

**Q66** General Intelligence and Reasoning

In a certain code language, 'MONTH' is written as 'OMPHT', and 'MARCH' is written as 'AMTHC'. How will 'APRIL' be written in that language?

A. PARLI

B. RAPLE

C. PAIRL

D. PATLI ✓

**Q67** General Intelligence and Reasoning

In a certain code language, 'MOMENTUM' is written as 'EMOMNTUM', and 'EQUATION' is written as 'AUQETION'. How will 'MAGNETIC' be written in that language?

A. NGAMECTI

B. NGMAETIC

C. NGAMETIC ✓

D. NGMAEITC

**Q68** General Intelligence and Reasoning

Among six friends, P, Q, R, S, T and U, each of a different age, P is younger than only S. Only three friends are younger than R. U is younger than T. U is not the youngest. How many friends are younger than T?

A. 3

B. 2 ✓

C. 4

D. 1

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q69** General Intelligence and Reasoning

If all the letters of the English alphabet are divided into two equal halves and the second half is written first followed by the first half, then which letter would appear at the fifth place to the right of the $11^{th}$ letter from the left?

A. Y

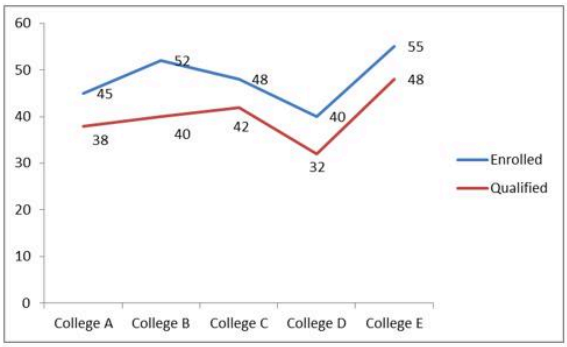
B. C ✓

C. Z

D. A

**Q70** General Intelligence and Reasoning

The following graph represents the number of students enrolled and the number of students qualified in five colleges during a particular year.




What is the ratio of enrolled to qualified students across all colleges?

A. 3 : 7

B. 6 : 5 ✓

C. 6 : 7

D. 13 : 3

## General Awareness

50 Questions • Answer Key

**Q71** General Awareness

Which of the following countries produced the maximum amount of sugarcane, according to Food and Agriculture Organization, in the year 2019?

A. India

B. Japan

C. China

D. Brazil ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q72** General Awareness

The prohibition of human trafficking has been laid under _____ in the Indian Constitution.

A. Article 23 ✓

B. Article 21

C. Article 24

D. Article 22

**Q73** General Awareness

Which of the following is NOT a classical dance form of South India?

A. Mohiniyattam

B. Kathakali

C. Bharatnatyam

D. Sattriya ✓

**Q74** General Awareness

Which of following is used to treat bacterial infection inside the human body?

A. Antiseptic

B. Anaesthetic

C. Antibiotic ✓

D. Antipyretic

**Q75** General Awareness

In which layer of the atmosphere is ozone most concentrated?

A. Mesosphere

B. Troposphere

C. Stratosphere ✓

D. Thermosphere

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q76** General Awareness

The New York Times won the Pulitzer Prize, 2021, for which work in the prestigious Public Service category?

A. The coverage of Environmental issues

B. The working of the government

C. The coverage of the death of George Floyd

D. The coverage of the coronavirus pandemic ✓

**Q77** General Awareness

From the given options, select the one that correctly describes the meaning of 'Head Count Ratio'.

A. When the number of poor is estimated as the proportion of people below the poverty line ✓

B. When the number of poor is estimated as the proportion of people above the poverty line

C. When the number of rich is estimated as the proportion of people on par with the poverty line

D. When the number of people with average income is estimated as the proportion of people on par with the poverty line

**Q78** General Awareness

Where was India's first manned ocean mission Samudrayaan launched by the Union Minister Dr. Jitendra Singh, in October 2021?

A. Mumbai

B. Chennai ✓

C. Hyderabad

D. Kochi

**Q79** General Awareness

Lake Pangong Tso is the water body shared by India and _____.

A. China ✓

B. Nepal

C. Myanmar

D. Bhutan

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q80** General Awareness

Which ruler of the Mamluk Sultanate was the Sultan of Delhi from 1236 to 1240?

A. Nasiruddin Mahmud

B. Razia Sultana ✓

C. Aram Shah

D. Ruknuddin Firoz

**Q81** General Awareness

Computer memory is made up of a large number of cells. Each cell is capable of storing _____ of information in the form of binary numbers.

A. one nibble

B. one bit ✓

C. one byte

D. two bits

**Q82** General Awareness

From among the following _____ learnt music from Swami Haridas for eleven years.

A. Tanarang

B. Ramdas

C. Baiju Bawra

D. Tansen ✓

**Q83** General Awareness

Which among the following is located in the state of Arunachal Pradesh?

A. Tawang Monastery ✓

B. Diskit Monastery

C. Thiksey Monastery

D. Hemis Monastery

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q84** General Awareness

Which of the following rivers originates in Sikkim, flows through West Bengal and then enters Bangladesh?

A. Damodar

B. Dhansri

C. Ghaggar

D. Teesta ✓

**Q85** General Awareness

Albert Bourla, winner of the Genesis Prize 2022, is the CEO of which of the following companies?

A. Novartis International AG

B. Pfizer Inc. ✓

C. GlaxoSmithKline plc

D. Merck & Co. Inc.

**Q86** General Awareness

Which Article of the Indian Constitution aims at securing for the citizens a uniform civil code throughout the territory of India?

A. Article 44 ✓

B. Article 47

C. Article 43

D. Article 46

**Q87** General Awareness

India defeated which of the following countries, to clinch the bronze medal in the Women's Asia Cup Hockey Tournament, 2022?

A. Japan

B. China ✓

C. Malaysia

D. South Korea

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q88** General Awareness

Which of the following is the correct explanation of the term 'Capital Receipts'?

A. The receipts of the grants given to state governments and other parties

B. The receipts of the government which create liability or reduce financial assets ✓

C. The receipts of the government which result in the reduction of financial liabilities

D. The receipts that do not lead to a claim on the government

**Q89** General Awareness

The effect of the acid caused by ant bites can be neutralised by rubbing moist baking soda or _____ solution, which contains zinc carbonate.

A. Calamine ✓

B. Benzethonium Chloride

C. Caprylyl Glycol

D. Behenyl Alcohol

**Q90** General Awareness

Which of the following states of India has the highest number (absolute) of people living in rural areas according to the census of India 2011?

A. Bihar

B. Rajasthan

C. Jharkhand

D. Uttar Pradesh ✓

**Q91** General Awareness

Virender Singh Pathania, who was in the news recently, has been appointed to which post in December 2021?

A. Air Officer in Charge of Personnel

B. Director General of Air Operations

C. Director General of the Indian Coast Guard ✓

D. Chief of the Air Staff

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q92** General Awareness

The price of one currency in terms of another is known as:

A. foreign exchange rate ✓

B. international currency

C. import exchange rate

D. export exchange rate

**Q93** General Awareness

Equilibrium national income occurs where aggregate supply _____

A. equals aggregate production

B. equals aggregate expenditure

C. equals aggregate demand ✓

D. equals aggregate consumption

**Q94** General Awareness

Which Article of the Indian Constitution is related with the Oath or Affirmation by judges of High Courts?

A. Article 219 ✓

B. Article 185

C. Article 289

D. Article 256

**Q95** General Awareness

The Thrissur Pooram festival of Kerala is held_____ at the Vadakkunnathan Temple in Thrissur town.

A. quarterly

B. annually ✓

C. weekly

D. monthly

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q96** General Awareness

Which of the following countries had the highest Crude Birth Rate (live births per 1000 population) in the world in 2020, according to World Bank?

A. Lesotho

B. Niger ✓

C. China

D. Egypt

**Q97** General Awareness

Among the following pairs of lakes and the states in which they are located, which one has been INCORRECTLY paired?

A. Sultanpur Lake - Haryana

B. Kolleru Lake - Maharashtra ✓

C. Loktak Lake - Manipur

D. Chilika Lake - Odisha

**Q98** General Awareness

Atlas mountain range lies in which of the following continents?

A. Europe

B. Africa ✓

C. Asia

D. North America

**Q99** General Awareness

How many scientists received the Shanti Swarup Bhatnagar Award (SSB) for Science and Technology, 2021, on the occasion of the $80^{th}$ Foundation Day of the Council of Scientific and Industrial Research (CSIR)?

A. 15

B. 10

C. 12

D. 11 ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q100** General Awareness

Most of the standard Harappan seals were made of _____, a kind of soft stone that was square in shape with a 2X2 dimension and was used for commercial purposes.

A. Rhodonite

B. Golden rutile

C. Steatite ✓

D. Selenite

**Q101** General Awareness

_____ refer to central bank purchases or sales of government securities in order to expand or contract money in the banking system and influence interest rates.

A. International market operations

B. National market operations

C. Open market operations ✓

D. Closed market operations

**Q102** General Awareness

Prime Minister Narendra Modi launched PM Gati Shakti - National Master Plan for Multi-modal Connectivity. What is the proposed financial outlay for the scheme?

A. 100 lakh crores ✓

B. 2500 lakh crores

C. 2000 lakh crore

D. 50 lakh crores

**Q103** General Awareness

The vernacular Press Act proposed by _____ was intended to prevent the vernacular press from expressing criticism of British policies.

A. Lord Mountbatten

B. Lord Irwin

C. Lord Lytton ✓

D. Lord Chelmsford

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q104** General Awareness

Which of the following fishing grounds is located on the confluence of Labrador current and Gulf Stream?

A. Southwest African Coast

B. Oyashio fishing ground

C. Newfoundland ✓

D. Falkland island

**Q105** General Awareness

Which of the following is NOT an integral component of the MS-Office 365 suite?

A. MS-Access

B. MS-Paint ✓

C. MS-Word

D. MS-Excel

**Q106** General Awareness

The unique festival of flowers Bathukamma is a colourful and vibrant festival of _____ and is celebrated by women, with flowers that grow exclusively in each region.

A. Telangana ✓

B. Gujarat

C. West Bengal

D. Tripura

**Q107** General Awareness

Which of the following reports, prepared in the 1940s, was specifically prepared on the Agricultural prices?

A. Kheragat Report

B. Saraiya Report

C. Gadgil Report

D. Krishnamachari Report ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q108** General Awareness

Under which of the following schemes, do the designated states procure, store and issue food grains under the Targeted Public Distribution System?

A. Minimum Support Price

B. Price Stabilisation Fund

C. Decentralised Procurement Scheme ✓

D. Centralised Procurement Scheme

**Q109** General Awareness

'Dasbodh' is primarily a compilation of writings and sermons of _____ .

A. Ramanuja

B. Kabir

C. Samarth Ramdas ✓

D. Chaitanya

**Q110** General Awareness

_____ received the 2021 Abhinandan Saroja National Award by the National Institute of Indian Classical Dance.

A. Prabha Atre

B. Chandrashekhar Kambara

C. Priyadarshan

D. Aparna Satheesan ✓

**Q111** General Awareness

With reference to space science, which of the following planets do NOT have even one moon?

A. Neptune and Mars

B. Venus and Mercury ✓

C. Jupiter and Saturn

D. Uranus and Neptune

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q112** General Awareness

Archaeologist R Nagaswamy, who passed away in January 2022, is known for his archival research on temple inscriptions and art history of which place?

A. Tamil Nadu ✓

B. Andhra Pradesh

C. Karnataka

D. Telangana

**Q113** General Awareness

Which of the following states is the largest producer of Pulses (total) according to the Economic Survey 2021-22, Government of India?

A. West Bengal

B. Madhya Pradesh ✓

C. Gujarat

D. Uttar Pradesh

**Q114** General Awareness

What is the third stage (after larva) in the lifecycle of a butterfly called?

A. Pupa ✓

B. Caterpillar

C. Egg

D. Nymph

**Q115** General Awareness

_____ is the sole authority prescribed in the Indian Constitution entrusted with the responsibility of audit of receipts and expenditure of the Union and each State and the Union Territory Governments.

A. Attorney General of India

B. Finance Minister

C. Comptroller and Auditor General of India ✓

D. Finance Commission of India

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q116** General Awareness

The Sarnath Lion Capital erected by the Mauryan Ruler Ashoka, was made up of _____.

A. Mica

B. Marble

C. Sandstone ✓

D. Iron

**Q117** General Awareness

What is the Birth rate of India (for 2019) according to Sample Registration System?

A. 8.9%

B. 19.7% ✓

C. 4%

D. 20.4%

**Q118** General Awareness

What is the name of the world's first Gamified Sanskrit learning application, launched by the Indian Council for Cultural Relations (ICCR), along with Gamapp Sportswizz Tech Private Limited in April 2021?

A. Learn Sanskrit

B. Letter2Sound

C. Sanskrit MAL

D. Little Guru ✓

**Q119** General Awareness

Dr Lakshminarayana Subramaniam is an Indian _____was honoured with the coveted Padma Bhushan in 2001.

A. Guitarist

B. Pianist

C. Sitarist

D. Violinist ✓

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in

**Q120** General Awareness

Who among the following was the longest serving Attorney General for India?

A. KK Venugopal

B. Niren De

C. CK Daphtary

D. Motilal Chimanlal Setalvad ✓

Blackbook

Blackbook Vocabulary — Now in the App! ▶ Download Now on Google Play

generated by rank.qmaths.in